UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1966-1967

UNIVERSITY COLLEGE
LONDON

CONTENTS

Report of the Chairman of the College Committee and the Provost (with Supplement) 5

Publications by Members of College Departments:

Faculty of Arts 26

Faculty of Laws 38

Faculty of Science 41

Faculty of Engineering 60

Faculty of Medical Sciences 65

The Library 72

Student Health Association 72

Appendices:

I College Committee 73

II Professorial Board 74

III Honorary Fellows and Fellows 77

IV Principal Changes in the Academic Staff 77

V Public Lectures 85

VI Numbers of Students 88

VII Geographical Distribution of Students 89

VIII Admission of First Degree and First Diploma Students 90

IX University Higher Degrees and Higher Diplomas .. 92

X College and University Awards to Students.. .. 95

XI University First Degree and Diploma Examination Results 99

XII College Diplomas and Certificates 101

XIII Benefactions and Donations 103

XIV College Accounts 116

OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD STRANG,
G.C.B., G.C.M.G., M.B.E., B.A., LL.D.

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE

F. J. STEPHENS, M.A.

TREASURER

SIR BERNARD WALEY-COHEN, BT, LL.D.

PROVOST

THE RIGHT HON. LORD ANNAN,
O.B.E., M.A., D.LITT., D.U.

VICE-PROVOST

PROFESSOR G. W. KEETON,
M.A., LL.D., F.B.A.

SECRETARY

A. TATTERSALL, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

The session 1966-67 has been the first in the tenure of Lord Annan as Provost. At the beginning of the session, Professor G. W. Keeton was appointed to the newly instituted office of Vice-Provost.

For the first time, the total student population reached a figure in excess of 5,000, an increase of 6·6 per cent over the session 1965–66. This increase was due to the continuing expansion of postgraduate studies in the College, since the intake of first degree and first diploma students was slightly less than in the previous session, and was 6 per cent below the figure forecast in the quinquennial estimates. The slight decline was largely attributable to the shortage of suitably qualified students in the applied sciences, but there was also a reduction in the number of admissions to courses in the physical and biological sciences and even in the Faculty of Arts. On the other hand, nearly 1,650 postgraduate students were registered, an increase of 9·3 per cent over the previous session. The College is particularly proud of its achievement in this field during the Quinquennium, the total increase being 54 per cent, and almost a third of the total student population is now postgraduate. These figures give added force to the conclusion reached by the University Grants Committee, that the College has a special responsibility to concentrate upon postgraduate teaching and research. But it will not be able to do so adequately unless the University Grants Committee and the University of London are able to give us larger sums for recurrent expenditure and, especially, larger capital grants for buildings than they have been able to give us to date.

The proportion of part-time students remains constant at approximately 16 per cent. The figure for overseas students, about 20 per cent, has also remained constant in recent years, and it is yet too early to estimate how this will be affected by the recent decision of the Government, much regretted by the universities insofar as it discriminated against one particular group, to require overseas students to pay much higher fees, beginning with the session 1967–68.

The steady growth in the provision of hostels and student rooms has enabled the proportion of students resident in them to remain at approximately 24 per cent of the total number of full-time students. New hostels and student rooms planned and in the course of

construction should enable the College to achieve, during the next few years, its aim of enabling each full-time student to spend a year of a degree course in a hostel or in student rooms, either of the College or of the University.

The College has been very much preoccupied by problems of academic reorganisation which go back to the Robbins Report but stem more immediately on the one hand from the work of the Saunders Committee at the University, and on the other hand from our feeling that the College should, as other Schools of the University do, have a Charter which would make it an autonomous School of the University, and so give it legal corporate existence of its own.

A start was made this year on the drafting of a Charter, but a good deal of the detail depended on decisions on the internal governing machinery of the College, which, at the time of writing, have still to be taken. However, a great deal of groundwork has been covered by a committee on academic organisation which has dealt with a wide range of problems, from the constitution of the Professorial Board, through faculty and departmental organisation, to relations with students. In the last named area, new regulations for discipline have been drawn up, though it was found that the existing regulations had on the whole stood the test of time well and did not need much amendment, nor had they been called into operation at all frequently in recent years. The main change here is that the Discipline Committee, which deals with major disciplinary infringements, now consists entirely of academic staff; and, instead of appeal to the College Committee, there is now provision for appeal to a review body which consists almost entirely of non-academic and outside representatives, with a member nominated by the Students' Union. Rules of procedure in accordance with the requirements of natural justice have been laid down for both these bodies.

In the other areas named the final decisions have yet to be taken; but it is hoped that this will be done in the early part of the 1967–68 session, and it will then be possible to make further progress with the drafting of a Charter and Statutes.

During the session teaching began for the new B.Sc. Degree in all departments of the Faculty of Science and in the Bartlett School of Architecture. This degree takes the place of the old Special and General degrees, and it is based upon courses which are assessed in terms of course units. Students may take a minimum of nine course units to be eligible for a degree, but the better students will be able to take as many as twelve course units. In this way, slower and

faster students can be accommodated within the same degree. It is necessary to pass in courses to the value of eight units before the degree can be awarded. One of the main long-term objects of the degree is to give flexibility in the choice of subjects and courses and this has already been partly achieved, particularly in the biological sciences where arrangements have been made for two first-year common courses to be taken by all students of biological subjects and biochemistry. Each course is examined by a College Board of Examiners which replaces the University Board of Examiners but on which External Examiners and teachers from other Colleges serve. It is too early to see the impact of this change. It will, however, allow students who desire to do so to specialise just as much as in the old Special degree, while it will allow other students to spread their studies over a wider field.

New College-based courses were introduced also for the B.Sc. (Econ.) and LL.B. Degrees. A new Postgraduate Diploma in Fine Art was instituted, and also courses for the M.A. Degree in Librarianship, in Archive Administration, and in Modern English Language.

Major developments are being undertaken in the former Department of Hebrew (now the Department of Hebrew and Jewish Studies) with the assistance of a benefaction from the Memorial Foundation for Jewish Culture in New York, which assures support for a period of not less than seven years. The Institute of Jewish Studies, which has been directed from the Department for some years, will become more closely integrated with the Department. Extension of the range of teaching will enable new courses to be provided, with particular emphasis on Jewish History and Institutions, and in October 1966 the first students were admitted to the course for the new Joint Honours Degree in Hebrew Literature and Jewish History.

The first students registered under the special scheme for relationship with Research Institutes began their courses in October 1966 and the College has collaborated with the Institute of United States Studies and the Institute of Latin American Studies in the introduction of courses for the M.A. in Area Studies.

During the session the Centre for the Analysis of Conflict was established with support from the Rowntree Trust, the Carnegie Endowment for International Peace, and the Social Science Research Council, with Dr J. W. Burton, Reader in International Relations, as Director.

In the Faculty of Medical Sciences, a sub-department of the History of Medicine was established in the Department of Anatomy and

Embryology with initial financial support from the Wellcome Foundation. A second Chair of Anatomy was established in the course of the session, and the first appointment to it has special reference to experimental neurology. In August 1967 Professor P. D. Wall, formerly Professor of Physiology at the Massachusetts Institute of Technology, became the holder of the Chair and was appointed Director of the Cerebral Functions Research Group established in the Department of Anatomy and Embryology by the Medical Research Council.

Reference was made in an earlier Report to the acquisition in 1965 of Holmbury House, at Holmbury St Mary near Dorking, with the generous help of Messrs Mullard Limited, for the Space Research Group of the Department of Physics. Alterations necessary for the conversion of the property were extensive, but what is now known as the Mullard Space Science Laboratory came into full use in October 1966, and a formal opening ceremony was held on 3 May 1967. The Laboratory houses the largest scientific space research group in Britain and it played a pioneering role in the British Space Research programme and was responsible for two-thirds of the experiments in Ariel I, the first Anglo-American satellite. The Laboratory has now embarked on a major programme involving experiments on eight satellites and over thirty sounding rockets. The main investigations are in the fields of ultra-violet and x-ray astronomy both of the sun and of other celestial objects, and in the study of the ionosphere and magnetosphere and the interplanetary medium. While the primary aim of the experiments is to increase the fundamental knowledge of the world around us, the findings are expected to have a bearing on such widely different spheres as satellite communications and space travel.

The College Computer Centre came into formal existence in October 1966, the computer itself being installed early in 1967. Since April 1967, the Centre has been running a computing service for the College, and also for the University. Much of the work done arises from research in scientific departments, but a number of other departments, such as Geography, History, and some language departments are also making use of this service. The work load is building up rapidly, and a full second shift was introduced in the third term. Three-shift working had been put in operation by the autumn of 1967.

In accordance with the wishes of the founder of the Edwards Chair of Egyptology, the present holder, Professor W. B. Emery, spends the winter months of each year directing excavations in

Egypt. His present work, in the archaic necropolis of North Saqqara, undertaken on behalf of the Egypt Exploration Society in association with the Egyptian Government Antiquities Service, has revealed a vast catacomb containing the burials of mummified sacred ibises, at the entrance to which was situated an important oracle shrine of the god Thoth. Professor Emery believes that this site may be associated with the healing shrine of the Egyptian god of medicine, Imhotep, whom the Greeks identified with Asklepios. In extending this work in 1966–67, Professor Emery has discovered a site which may be that of the burials of the Divine Mothers of Apis, the sacred bull of Memphis. This excavation has yielded an intact wooden temple shrine, statues of the finest quality, gilded and inlaid wooden furniture, and a sensational haul of demotic Egyptian and Aramaic papyri of the sixth to fourth centuries B.C.

In the course of the session it was decided that the Assembly of Faculties, a College function which had been held annually since 1908 except during the 1939–45 war years, should be discontinued and the Foundation Oration, previously arranged by the Students' Union as part of their Foundation Week celebrations, should become a function arranged jointly by the Union and the College. The 1967 Foundation Oration was delivered by Sir Maurice Bowra in the Large Hall at Friends' House on Thursday 16 March, and was preceded by an address by the Provost and a Professorial Board procession, two traditional features of the Assembly of Faculties.

A conference of Headmasters and Headmistresses was held at the College in April 1967. About seventy Heads, drawn from a very broad cross-section of schools in all parts of the country, attended. Spokesmen from various faculties and departments explained admission policy and entry requirements and described courses, residential amenities, and general services offered to students. Visits were arranged to a number of College departments. The conference was very useful, not only in giving Heads a better idea of what the College offered, but also in improving personal links between schools and Heads and Tutors of College departments. The Union held a conference for Sixth Formers, some of whom had already applied for admission to the College, to show them the College's facilities and to encourage more able Sixth Formers to think of putting University College first on their list of preferences when they apply for University admission through UCCA.

The construction of Stage I of the Central Collegiate Building has neared completion during the session, and the building is due to be handed over to the College by the contractor early in the session

1967–68. Sir Thomas Monnington, P.R.A., who has been a member of the Slade School staff for many years, has accepted an invitation to paint a mural on the south wall of the first floor gallery. This will commemorate the opening of this new building, and his own election as President of the Royal Academy. All students, past, present and future, will be gratified that the College will possess an example of the work for which Sir Thomas Monnington is renowned.

The Association of Friends of the College have agreed to provide a concert grand piano for the Central Collegiate Building, and have made available a sum of £6,000 for other furniture and equipment for the Building. They are also accumulating funds for amenities for the new residential accommodation in Camden Town and Oxford Street which will shortly be available to students. The Friends once again gave financial assistance towards the cost of the Reunion Dinner for former students held in May 1967, and gave a grant of £50 to the Film Society.

The new building at 2–10 Euston Buildings, now known as Wolfson House, (whose major occupants are the Departments of Animal Genetics and of Human Genetics and Biometry) and also an extension to the Medical Sciences Building, have been completed.

A lease was taken of the second floor of R.T.B. House in Gower Street and the accommodation converted into laboratories and lecture rooms for the Physical Chemistry section of the Department of Chemistry. The installation of mechanical services and other work in the Physics Building for the University of London Computer Centre was completed.

The conversion for College purposes of the buildings formerly occupied by the National Central Library and the Library Association is progressing well. Most of the work on the old Library Association building was completed and the accommodation handed over to the College in June, and the whole project will be completed by the end of 1967.

The construction of the fourth stage of the new Engineering Building is well advanced and on the east side of Gordon Street the erection of the first stage of the new Chemistry Building made good progress.

An extension to the Students' Refectory, which is providing an additional three hundred seats, was completed in September 1967 and brought into use. The North Room of the Refectory has been demolished to make way for a car park as required by the planning authorities.

It is expected that the student hostel at 455–473 Oxford Street will be completed in February 1968 and the Ifor Evans Hall at Whitcher Place in May 1968. During the year, five properties in Camden and Rochester Roads were acquired with a view to future student residential development in connection with the Whitcher Place site. The freehold of 'The Hospice' in Hampstead and of 48 Stanhope Road N6, and the lease of 11 Albany Street NW1 was purchased and a lease taken of the upper part of 27 Lyndhurst Road NW3. These properties will be used as students' residences.

The income of the College for 1966–67 amounted to £5,132,805, an increase of £551,457 over 1965–66. This increase arose in the main from a supplementary addition to the block grant of £90,000 for the implementation of the Robbins programme; £148,000 for the normal annual increase in the grant; £16,000 increase in the earmarked grant for Medical Education, £68,115 for a full year of the 1966 Salary Revision Scheme; £12,456 increase in fees arising from the increased student numbers, and a £108,940 refund of Selective Employment Tax.

Expenditure also increased on a corresponding scale; it reached £5,121,929, inclusive of the cost of research borne by outside grants which totalled £823,119 compared with £757,530 in 1965–66. The number of these grants reached 361, an increase of 91.

Capital grants announced for the year amounted to £2,476,477 as compared with £1,260,927 in the previous year. Claims against these and earlier capital grants in reimbursement of expenditure incurred amounted to £1,416,666 (£1,242,386 in 1965–66).

The financial prospect grows ever more ominous and gloomy. The universities as a whole are beginning to be subjected to the embraces of an octopus of financial control. First one tentacle and then another fastens itself on some item of university expenditure and squeezes it. The way universities use their space; the number of appointments they may make to senior posts; the criteria on which grants for buildings, equipment and furniture are made; these and many other matters are being left no longer to the individual choice of universities but are more and more being influenced and directed by the University Grants Committee. Universities are being urged to ' rationalise ' their activities—which means that they must phase out activities which are duplicated elsewhere or are too small to be viable. Much of this pressure to become more efficient is inevitable and right, so long as it does not entail complete uniformity between universities. The University of London with its federal structure and vast range of institutions and commitments is unique, but its special problems

and needs are in danger of being overlooked. University College, in common with other London Schools, is suffering from the fact that so much of the UGC's funds have apparently to be allocated to the new civic and technological universities with their vast building plans on green fields outside the cities, and to other civic universities which only now are beginning to approach the number of students which for years we have admitted. The capital grants for new buildings which the UGC can provide in the near future are disappointingly small; and the recurrent grant for the four remaining years of this quinquennium is meagre in the extreme.

For these reasons many projects dear to the heart of the College are endangered. It requires only a few more thousand pounds to add to what we are already promised to enable us to build a long desired extension to the Biophysics Department; but unless this sum becomes available the project will have to be abandoned. An even smaller sum is needed to make extensions to the School of Librarianship and Archives; but this sum is not yet in sight. Even the purchase of the building into which the Faculty of Laws moved in 1966 is not complete. The College is certainly not deaf to the appeal to universities to use their funds as efficiently as possible. Lord Llewelyn-Davies, Professor of Architecture, has set up a unit to examine the use of College buildings, and almost certainly his team will be able to suggest improvements. But these improvements, which may well take the form of adapting existing buildings and rooms to other uses, will cost money; and it is for this purpose, rather than for the acquisition of new sites, that University College must look to the UGC in the hope that a university institution which shows a readiness to use its space more efficiently, however much this will inconvenience those used to the present arrangements, will be rewarded and not cold-shouldered.

By far the worst financial blow which fell during the past year has been the immense deficit on equipment grants which arose when the UGC introduced a new system for assessing these grants. In the past the UGC has provided money for the furnishing and equipment of new buildings, and the grants for equipment have been assessed by independent assessors drawn from a panel set up by the UGC. No grants have been available for equipment for Departments which were not lucky enough to acquire new premises. The objection to this system was that it was open-ended, and that the UGC could never know in advance the equipment needs of the universities, and so make appropriate provision for them. The Treasury and the Department of Education and Science were anxious to see the system

replaced by one under which grants could be related to student numbers and the commitments would be calculable beforehand.

As long as the norms adopted under the new system were seen to be fair and reasonable, and as long as due allowance would be made for the range of research activities at any institution, for any special circumstances that might arise or exist, and for the growing cost of equipment and the rapidly increasing rate of obsolescence, the universities felt that they could not reasonably object to the new arrangements. Unfortunately the norms for the new system have not been disclosed, and the provision for special situations and for obsolescence is unknown. The universities are in the position of having had to buy a 'pig in a poke'. Moreover the UGC saw fit to arrange the transition from the old to the new system by means of instituting an interim period of sixteen months during which a ceiling was imposed upon the drawing of grants outstanding under the old system. This cash ceiling related not merely to equipment applications which were in course of preparation or of submission at the time the ceiling was imposed; it affected also grants already approved under the old system. Furthermore, not only does loose furniture fall to be met from the cash ration, but also built-in furniture and equipment, which is usually part of a building contract and on which only very limited economies are possible. When the cash rations were announced most universities found that they provided for only about half their needs. The UGC claimed that this was because universities, in anticipation of the new system, were inflating their demand artificially. The universities have hotly contested the truth of this, and have maintained that the UGC has erred in three ways: first, it has calculated the likely extent of drawings by reference to building 'starts' in the critical period, whereas it should have done so by reference to building 'finishes', since it is at the time that a building is completed that the need to apply for furniture and equipment grants arises; secondly, the UGC has postulated a pattern of spending of furniture and equipment grants which may be true for laboratory type buildings, but is certainly not true for residential buildings, where the need for expenditure on furniture and equipment arises immediately on the completion of the building and cannot be spread over a number of years; thirdly, the UGC has ignored the fact that, at a time when capital money is scarce, universities tend to devote their capital provision to smaller jobs and not to larger ones, and the smaller jobs throw up proportionately a higher cost for furniture and equipment than do larger ones, and do so at an earlier date.

The universities have maintained that these are three substantial contributory reasons why the UGC has found itself faced with demands for £41,000,000 as against the £22,000,000 for which it had been prepared. The argument about this continues and it seems most unlikely that a solution satisfactory to the universities will be found. In the meantime the practical effect is that this College, like many others, cannot provide scientific equipment for incoming senior staff on the scale promised when appointments were settled, is having to hold up the placing of orders against grants already approved by the UGC, and is going to have to leave new students' residential accommodation unfurnished for a period—all this in spite of going into heavy overdraft in order to meet some inescapable commitments.

The Annual Report in past years has recorded with pride the noble donations made by benefactors to the College, particularly during the time of the Provostship of Lord Evans of Hungershall. It is clear that, because of present UGC policy, the succession of such munificent benefactors must be maintained if University College is to continue to flourish as strongly as it has in the past.

STRANG, *Chairman*

ANNAN, *Provost*

SUPPLEMENT

HONOURS AND DISTINCTIONS

Foremost among the honours to be recorded are those which have been conferred on the former Provost of the College. Before the end of 1966 Sir Ifor Evans was invested with the insignia of Commander of the Royal Order of Orange Nassau. A few months later the Danish Ambassador, acting on behalf of the King of Denmark, invested him with the Order of Commander of the Dannebrog. Finally, in July 1967, a life peerage was conferred upon him and he took the title of Baron Evans of Hungershall.

The 1967 New Year Honours included the conferment of the Order of Companion of Honour on Sir Mortimer Wheeler, Fellow of the College, for services to archaeology, and the order of D.B.E. on Dr Albertine L. Winner, Deputy Chief Medical Officer of the Ministry of Health, also a Fellow of the College. The Hon. J. A. L. Wiseham, Chief Justice of The Gambia, a former Physics student, was created a Knight Bachelor. The Order of C.M.G. was conferred on Dr I. W.

Wark, Chairman of the Commonwealth Advisory Committee on Advanced Education, and a Fellow of the College; and the Order of C.B.E. on T. R. Newman, Assistant Secretary in the Ministry of Transport, a former Classics student.

Among the Queen's Birthday Honours were Knighthoods conferred on W. T. Monnington, President of the Royal Academy of Arts and a Fellow of the College associated for many years with the Slade School of Fine Art, and on Professor R. S. Nyholm, also a Fellow of the College and Head of the Chemistry Department. The Order of C.M.G. was conferred on Dr R. S. Millard, Deputy Director of the Road Research Laboratory of the Ministry of Transport, who was at one time a student in the Faculty of Engineering.

Many interesting and important appointments were obtained by past and present members of the College including those of Professor H. M. Barlow as Chairman of the British National Committee of the International Radio Union, and as a member of the Council of the Ministry of Technology British Calibration Service and Chairman of the High Frequency Measurements Committee; Sir Harold Himsworth as Deputy Chairman of the Medical Research Council; Professor Sir Harrie Massey as a member of the new Central Advisory Council for Science and Technology; Professor R. S. Nyholm as a member of the Science Research Council and Sir Solly Zuckerman as Chairman of a Central Advisory Committee on Scientific Policy and also as a Trustee of the British Museum (Natural History). Professor Lord Llewelyn-Davies was appointed Chairman of the Centre for Environmental Studies established by the Ministry of Housing and Local Government and the Ford Foundation, Professor Lord Holford an Ordinary Governor and Professor A. H. Chilver as Director of the Centre.

Two former students of the Faculty of Laws gained distinction: Mr C. D. Onyeama by appointment as a Judge of the International Court of Justice at the Hague, and Mr Sebag Shaw by his election as a Master of the Bench of Gray's Inn.

Mr W. T. Monnington was elected President of the Royal Academy; Professor M. J. Seaton a Fellow of the Royal Society, also Professor D. H. Smyth, a former member of the staff of the Department of Physiology and at one time Sub-Dean of the Faculty of Medical Sciences; Professor Dame Kathleen Lonsdale, President of the British Association for the Advancement of Science in 1968, and President of Section A (Physics and Mathematics) of the Association in 1967; Professor R. M. Walker, Vice-President of the

Royal College of Surgeons, and Professor R. E. D. Bishop, first President of the British Acoustical Society.

Professor A. F. Huxley was elected an Honorary Fellow of Trinity College, Cambridge, Professor Randolph Quirk an Honorary Fellow of the Institute of Linguists, and Mr Max Rayne was appointed to an Honorary Fellowship of Darwin College, Cambridge.

Professor P. G. Foote was honoured by election as a Full Member of Kungl. Gustav Akademien, Uppsala, and as an Honorary Member of Hið islenzka Bókmenntafélag; Professor J. Hamilton, formerly of the Physics Department, as a Foreign Member of the Royal Danish Academy of Sciences and Letters, and Professor K. W. Swart as a Correspondent of the Koninklijke Nederlandse Akademie van Wetenschappen.

Honorary degrees of other Universities were conferred on past and present members of the College as follows: a doctorate of the University of Essex on Lord Annan, an honorary degree of the University of Bradford on Dr A. B. D. Cassie, the LL.D. of the University of Exeter on Sir James Cook, the D.Litt. of the University of Birmingham on Sir Robin Darwin, the LL.D. of the University of Manchester on Sir Ifor Evans, the D.Litt. of the University of Leeds on Sir Frank Francis, the D.Sc. of the University of Leicester on Professor A. F. Huxley, the D.Sc. of the University of Lancaster and the LL.D. of the University of Leeds on Professor Dame Kathleen Lonsdale, the M.D. of the University of Gothenburg on Emeritus Professor L. S. Penrose, the Doctor of Letters of the Heriot-Watt University and the LL.D. of the University of Sheffield on Lord Robbins and an honorary degree of the University of Bradford on Sir Solly Zuckerman.

Professor H. E. M. Barlow was awarded the Faraday Medal for 1967 by the Institution of Electrical Engineers; Professor R. E. D. Bishop the Gold Medal of the Institution of Mechanical Engineers and a silver medal by the Central Research Institute of Skoda; Dr D. W. Bronk, Honorary Fellow of the College, the Benjamin Franklin Medal for 1967 by the Royal Society of Arts for his work for Anglo-American understanding; Dr K. D. Froome, former Physics student, the Duddell Medal and Prize of the Institute of Physics and the Physical Society; Dr Helen Grimshaw, former Engineering student, the Wakefield Gold Medal by the Royal Aeronautical Society for 1966, its centenary year, for contributions towards safety in aviation, for her outstanding work on human engineering problems. Dr K. J. Ives and Dr J. Gregory shared the award of the 1966 Gans Medal of the British Society for Water Treatment and Examination and a

joint award of the Wason Research Medal of the American Concrete Institute was made to Dr K. O. Kemp.

APPOINTMENTS

Within the College at the beginning of the session, Professor W. R. Mead, formerly a Professor of Geography in the College by conferment of title, was appointed to the Chair of Geography and the Headship of the Department in succession to Professor H. C. Darby; Professor J. Hurstfield, Astor Professor of English History, to the Headship of the Department of History; A. C. Gimson and D. C. Holland, formerly Readers, to the Chair of Phonetics and a Chair of English Law respectively, and Dr N. Lichfield, who was previously a Special Lecturer in the Department of Town Planning, to the new Chair of the Economics of Town Planning. Professor L. Castillejo came to the second Chair of Physics in January 1967. Members of the non-professorial staff who became professors by conferment of title were Dr L. S. Bosanquet, Professor of Mathematics, Dr E. H. Brown, Professor of Geography, Dr J. H. Burns, Professor of the History of Political Thought, I. R. Christie, Professor of Modern British History, Dr S. P. Datta, Professor of Medical Biochemistry, Dr F. F. Heymann, Professor of Physics, Dr J. L. Mongar, Professor of Pharmacology, E. H. Scamell, Professor of English Law, and Dr M. A. Screech, Professor of French. Professor Warren Cowgill, Associate Professor of Comparative Philology at Yale University, accepted appointment as Visiting Professor in the Department of Comparative Philology for 1966–67. The following were appointed to established Readerships: Dr R. Banham (Architecture), C. A. Biddle (Surveying, from March 1967), Dr A. Boyde (Dental Anatomy, from May 1967), B. C. Brookes (Information Studies), Dr A. J. Fourcin (Experimental Phonetics), and J. D. O'Connor (Phonetics). The title of Reader was conferred on Dr M. L. Jane Abercrombie (Architectural Education), G. F. Arnold (Phonetics), Dr J. W. Burton (International Relations), Mrs Patricia H. Clarke (Microbial Biochemistry), P. D. Cowan (Architecture), Dr J. S. Cummins (Spanish), Dr J. Diamond (Physiology), Miss Margaret S. Drower (Ancient History), Miss Audrey G. Donnithorne (Chinese Economic Studies), Dr W. Glyn Jones (Danish), L. B. Keeble (Town Planning), Dr C. D. King (French), Mrs Valentine Korah (English Law), Dr I. M. Lewis (Anthropology), Dr A. R. Ness (Dental Physiology), J. Musgrove (Architecture), Dr R. W. Rideout (English Law), Dr Pamela L. Robinson (Palaeozoology), and Dr J. L. Watling (Philosophy).

Other important College appointments included those of Mr Reg Butler as Director of Sculpture Studies in the Slade School of Fine Art, Dr P. A. Samet and D. A. Sturt as Computer Director and Computer Manager respectively, and B. C. Brookes as Honorary Editor of the College Bulletin.

At the beginning of the session there were some changes in Faculty appointments: Professor E. G. Turner became Dean of the Faculty of Arts and Professor W. R. Mead, Vice-Dean; Professor J. Brown and Professor P. N. Rowe were appointed respectively Dean and Vice-Dean of the Faculty of Engineering.

Sir Bernard Waley-Cohen was appointed a member of the Court of the University of London, Professor Richard Wollheim was elected a member of the Senate for the period 1966–70, and Professor H. Billett as Dean of the University Faculty of Engineering for 1966–68. Professor J. Hurstfield was appointed Public Orator of the University for a term of five years from 1 January 1967.

Many members of the academic staff and former staff and students obtained academic appointments outside the College. Within the University of London, E. W. Handley was appointed Director of the Institute of Classical Studies, Professor J. Brown to the Chair of Light Electrical Engineering at the Imperial College of Science and Technology, and Dr G. H. Williams to the Chair of Chemistry at Bedford College. The title of Professor of the Sociology of Education was conferred on Dr B. B. Bernstein in respect of his post at the Institute of Education, and that of Professor of Applied Mathematics on Dr R. Penrose in respect of his post at Birkbeck College. Dr C. Fahy was appointed to a Readership and to the Headship of the Department of Italian at Birkbeck College, Dr P. I. P. Kalmus to a Readership in Experimental Physics at Queen Mary College, Dr P. B. Salmon to a Readership in German at Birkbeck College, and Dr N. G. Trott to a Readership in Physics as applied to Medicine at the Institute of Cancer Research, Royal Cancer Hospital. The title of Reader in Neurophysiology in the Institute of Ophthalmology was conferred on Dr G. B. Arden, that of Reader in Medicine on Dr E. J. Ross in respect of his post at University College Hospital Medical School, and that of Reader in English Language on Mrs Vivian G. Salmon in respect of her post at Bedford College. Mr D. T. Richnell was appointed Goldsmiths' Librarian of the University of London.

Announcement was made during the year of the appointment of the following members and former members of the College to academic posts in other Universities: Lord Robbins as first Chancellor of the University of Stirling; Professor Sir Lindor Brown as

Principal of Hertford College, Oxford; Professor E. M. Backett to the Chair of Community Health in the University of Nottingham, Professor M. S. Bartlett as Professor of Bio-mathematics in the University of Oxford, Dr J. H. Bird to the Chair of Geography in the University of Southampton, Dr A. S. G. Curtis to the Chair of Cell Biology in the University of Glasgow, Professor A. Dalgarno as Professor of Astronomy at Harvard University, Professor P. B. D. de la Mare to the Chair of Chemistry in the University of Auckland, Dr P. J. Newbould to a Chair of Biology in the University of Ulster, Dr I. C. Percival to the Chair of Theoretical Physics in the University of Stirling, Dr J. H. Renwick as Professor of Human Genetics in the University of Glasgow, Dr J. P. S. Robertson to a Professorship in Psychology at Trent University, Canada, Dr A. M. Ross to the Chair of Educational Research in the University of Lancaster, Dr Colin Smith as second Professor of French in the University of Reading, Dr P. J. Syrett as Professor of Botany in the University College of Swansea, Dr R. G. Ward to the Foundation Chair of Geography in the University of Papua and New Guinea, Dr D. W. M. Waters to the Chair of Trusts and Property Law at McGill University, and Professor A. F. Huxley as Fullerian Professor of Physiology and Comparative Anatomy at the Royal Institution for three years from 1 May 1967; E. J. Killham to be Reader in English Literature in the University of Keele, and Dr K. A. Sinnhuber as Reader in the Regional and Economic Geography of the Federal Republic of Germany in the Department of Linguistic and Regional Studies in the University of Surrey. The title of Reader in French was conferred on Dr H. J. G. Godin by the University of Belfast, and A. Spicer was appointed as Co-ordinator of the Schools Council Foreign Languages Continuation Project, with the status of Reader, in the University of York.

RETIREMENTS

Three senior Professors retired at the end of the academic year.

Professor G. C. Allen had occupied the Chair of Political Economy since April 1947. He revivified his Department after the war and transformed it from one which was greatly dependent upon inter-collegiate teaching arrangements to one which is well able to stand on its own feet. It is fitting that in his last year he should have seen the inauguration of the courses for the new College-based B.Sc. (Econ.) degrees which he pioneered. The Government has made many demands on his services as a leading authority on the economics of

industry. He served during its formative period on the Monopolies and Restrictive Practices Commission, and on numerous other committees and inquiries. Happily his public services still continue. In addition to his well known works on British Industry he has written extensively on Japanese industrial development upon which subject he is an outstanding British expert. He will be remembered for his urbanity, his never failing friendliness and good humour, and above all for his wisdom and sound judgment, which have contributed so much in the development of the College and of his Department.

Professor H. E. M. Barlow retired from the headship of the Department of Electrical Engineering just forty-eight years after he had entered it as an undergraduate student. Continuous, save for the wartime years when he worked with the government research establishments on the military applications of radio and radar, his association with the College has been of a closeness and completeness that have made him an influential and valued adviser in its central deliberations. As research student, lecturer, reader, and latterly as Pender Professor, he has maintained an unflagging research activity of international repute in the field of microwave electronics: public recognition of its distinction has been marked by his election as a Fellow of the Royal Society and by the award of the Faraday Medal by the Institution of Electrical Engineers. Within his Department, staff and students alike have constantly been stimulated by his leadership and encouraged by the ungrudging attention he would always give to understanding their problems. His friends and colleagues will long remember him not only as a distinguished researcher and teacher but as a man of wise counsel and unfailing kindliness.

Professor James R. Sutherland had his first period of service at the College as Senior Lecturer from 1930 to 1936. Those who were undergraduates at that time remember his work in lectures, seminars and unofficial group-discussions with delight and gratitude. After nine years as Professor at Birkbeck and six years at Queen Mary College, he returned to University College in 1951 as Lord Northcliffe Professor of Modern English Literature, a post which he was to hold for the next sixteen years, with an ever-increasing reputation as an inspiring teacher, a quietly efficient administrator and a scholar and critic of unusual powers. His work on the eighteenth century has proved of outstanding importance and his judiciously personal style as speaker and writer was distinguished also for its eighteenth-century qualities. Rigorous standards of scholarship were enforced with graceful urbanity, and a smooth and dispassionate irony

charmed even those whose projected excesses were its target. The range of his achievements was wide. English scholarship in the College and elsewhere owes much to his industry, his enthusiasm and his leadership.

RESIGNATIONS

The College Committee lost one of its elder statesmen by the resignation of Professor Emeritus A. V. Hill. He was first a member of the College Committee in 1925–26 and, since 1950, had served continuously as the member nominated by the Fellows of the College. In 1955 he was appointed a member of the Managing Committee, and had been Chairman since 1963. The College has for long been proud of the distinction Professor Hill's work as an eminent scientist has brought to it. At the same time it has been deeply appreciative of the fact that he should have found time, and taken the trouble, to concern himself with the detailed management of College affairs, weighty and otherwise, dealt with by these committees. Their deliberations have been greatly assisted, and indeed enriched, by Professor Hill's wisdom and long experience; and it is a matter of keen regret on the part of those whose respect and affection he has inspired down the years that his familiar figure will be seen less often round the College owing to the removal of his residence to Cambridge.

Professor M. S. Bartlett resigned the headship of the Department of Statistics at the end of the session on his appointment as Professor of Biomathematics in the University of Oxford. Formerly Professor of Statistics in the University of Manchester, he came to the Chair of Statistics at University College in 1960. Professor Bartlett made outstanding contributions to the theory of stochastic processes. During his last year at the College he was elected President of the Royal Statistical Society and of the Biometrics Society.

The Department of Electrical Engineering lost Professor John Brown on his appointment in October 1967 to the Chair of Light Electrical Engineering at Imperial College. He came to the Department of Electrical Engineering at University College as a Lecturer in 1955 and was appointed to a Readership in 1957. After three years' leave of absence spent at Delhi College of Engineering under the Technical Co-operation Scheme of the Colombo Plan, he returned to the College in January 1965 with the conferred title of Professor of Electrical Engineering, and continued to serve the Department very ably as a Teacher and leader of research.

Professor D. P. Craig left the Chemistry Department in August 1967 to take up one of the Foundation Chairs of Chemistry (Physical and Theoretical) in the Research School of Chemistry of the Australian National University, Canberra. Professor Craig first came to University College in 1946 as a Turner and Newall Research Fellow, returning to the University of Sydney as Professor of Chemistry in 1952 for three years. Since 1955 he had been a Professor of Chemistry in the Department and built up a highly successful group carrying out research in theoretical chemistry and spectroscopy. He played a major part on many of the Committees of the College and he will be sorely missed by the Chemistry Department.

Professor Florence N. David had been a familiar figure in the College since 1933 when she came to work for her Ph.D. with Professor Karl Pearson. Since then, apart from the war years when she was away from College on National Service, Professor David had taught statistics and probability to many generations of students. She became a Reader in 1949 and the title of Professor of Probability and Statistics was conferred upon her in 1962. For several years, during the summer, she had been Visiting Professor of Statistics at the University of California at Berkeley where she taught several hundreds of students and made notable contributions to the celebrated *Berkeley Symposium on Probability and Statistics*. She has resigned from the College to take up the appointment of Professor of Statistics in the University of California at Riverside. Professor David's work in the theory of probability and statistics is recognised both here and in the United States to have contributed greatly to the advancement of the subject. She was interested in the history of probability and published *Gods, Games and Gambling* in 1962. Her expertise in the application of statistical theory was constantly being called upon by colleagues and former students. She will be long remembered in the College for her lively wit.

OBITUARY

We record with regret the death during the year of a number of members and former members of the College including one Honorary Fellow, Sir Roy Cameron, Professor Emeritus of Morbid Anatomy in the University of London, and formerly Director of the Graham Research Laboratory at University College Hospital Medical School, and five Fellows. These were Mrs Elsie Blackman member of staff in the Department of English from 1915 to 1938; J. Heyrovský, Professor of Physical Chemistry, Charles University of Prague and

Director of the Polarographic Institute of the Czechoslovak Academy of Science, Prague, Nobel Prize winner for Chemistry in 1959, who was a student of Sir William Ramsay and Professor F. G. Donnan at the College; W. A. E. Karunaratne, Professor Emeritus of Pathology and formerly Dean of the Faculty of Medicine in the University of Ceylon; J. L. Montrose, Professor of Law in Queen's University, Belfast; and Dr W. B. Tuck, formerly Professor of Chemistry at Middlesex Hospital Medical School and sometime Assistant in the Department of Chemistry at this College.

Professor A. H. Smith died after a short illness on 11 May 1967. He joined the English Department here in 1930 after teaching for some years in the University of Uppsala, became Reader in 1934, and was appointed to the Quain Chair of English Language and Literature in 1949. Few men can have known University College more intimately or served it more devotedly. As Director of Scandinavian Studies and as Secretary of the Communication Research Centre he was able to foster both disciplines until they were ready to become independent departments. As Chairman of the Library Committee for seventeen years he played an important and significant part in the restoration of the Library after the war and in the formulation of plans for its future development. As a Faculty Group Representative and a member of the Planning Committee his wisdom and experience gave him an authority which could not be ignored. His scholarship, in particular his many volumes published for the English Place Name Society (of which he was Director), earned him recognition by a number of academies (especially in Scandinavia) and honorary doctorates from the Universities of Sheffield, Uppsala, and Liège, the last being awarded posthumously. His astonishing range of interests and activities was pursued with almost frightening energy and enthusiasm, despite serious physical disabilities which would have driven lesser men into premature retirement. He set himself high standards and expected them in others; yet he was one of the kindest and most approachable of men, always ready to listen and to help in any problem great or small. In a multi-faculty College he was equally at home in all faculties, and his death is a serious loss to our whole community.

Professor Emeritus D. McKie died on 28 August 1967. He entered academic life from the regular Army when severe wounds received in the Passchendaele fighting ended his military career. Coming up to University College in 1920, he first specialised in chemistry, winning the Ramsay Medal, and he took his Ph.D. under F. G. Donnan in 1927. Meanwhile, in 1925, he had joined the staff of what is now the

Department of History and Philosophy of Science, attaining the Readership in 1946 and eventually, in 1957, succeeding Professor H. Dingle as Professor and Head of the Department. He occupied the Chair until his retirement in 1964. He was elected a Fellow of the College in 1954. Professor McKie did much to clarify the early theories of combustion and the work of the eighteenth-century chemists Black and Lavoisier. For his promotion of studies on Lavoisier he was, in 1957, created a Chevalier of the Legion of Honour; and for his high distinction throughout his chosen field he received in 1963 the Dexter Award of the American Chemical Society. He was a founder member of the British Society for the History of Science and of the Society for the Study of Alchemy and Early Chemistry and a founder editor of the Quarterly Journal *Annals of Science*. He was a member of the National Committee for the History of Science and a Fellow of the Royal Society of Edinburgh. Professor McKie was a modest, unpretentious scholar, a genial colleague unvaryingly agreeable to work with. Many of his old students have gone from the College fired with enthusiasm for a new theme of study to promote its cultivation at other centres of learning.

The death occurred during the year of the following former members of staff: G. P. Crowden, Emeritus Professor of Applied Physiology in the University of London, who entered the College as a student in 1913, returned in 1917 after war service to continue his undergraduate studies and later to take a higher degree, was a member of staff in the Department of Physiology from 1924 to 1929 and Sub-Dean of the Faculty of Medical Sciences from 1927 to 1929; Dr J. N. E. Day, member of the staff of the Department of Chemistry from 1920 to 1962; P. Geyl, Professor of Dutch Studies from 1919 to 1924 and Professor of Dutch History and Institutions from 1924 to 1936; T. R. Shepherd, member of staff in the Department of Mechanical Engineering from 1960 to 1963; P. Vaucher, Professor of Modern French History from 1922 to 1932 and E. B. Verney, Professor of Pharmacology from 1926 to 1934.

Special reference should perhaps be made to Colonel H. T. Jessop who died in June 1967. He was an undergraduate in the Department of Physics from 1905 to 1908. In 1919 he joined the staff of the Department of Mathematics, transferring to the staff of the Department of Civil and Municipal Engineering in 1949, where he held the post of Reader in Photoelasticity from 1949 to 1954. It was not until 1964 that he relinquished his final staff appointment as Special Lecturer in Photoelasticity, in which field he had been a pioneer. Since his retirement Colonel Jessop had served as a Vice-

President of the Old Students' Association. There can be few whose life at the College has spanned so long a period.

Among the former students whose death has been recorded during 1966–67 were Miss Dorothy Chapman, at one time Principal of Westfield College London, and two eminent lawyers, A. H. G. Craske, and Constantine Gallop, Q.C., a Special Divorce Commissioner since 1953.

In April 1967 news was received of the death of Lily M. Alder, member of the staff of the Accounts Department from 1915 to 1937 and Assistant Accountant for eighteen years.

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[1 AUGUST 1966—31 JULY 1967]

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STUDENT HEALTH ASSOCIATION

LUCAS, C. J., LINKEN, A. (with Knowles, J. B.), A trial of prolintane in the treatment of fatigue. *Practitioner*, 197 (1966), 801–5.

APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	7–7
Vice-Chairman: F. J. Stephens, M.A.‡	6–7
Treasurer: Sir Bernard Waley-Cohen, BT, LL.D.‡	6–7
The Right Hon. Lord Annan, O.B.E., M.A., D.LITT., D.U. *Provost*	6–7
G. F. Arnold, B.A.	6–7
Professor J. Brown, M.A., PH.D., D.SC.(ENG.), F.I.E.E.§	4–4
Professor E. H. S. Burhop, B.A., M.SC., PH.D., F.R.S.‖	—
Mrs Irene Chaplin, B.A., J.P.	2–7
Sylvester Gates, C.B.E., M.A.	3–7
J. C. Hawksley, C.B.E., M.D., PH.D., F.R.C.P., M.R.C.S.†	4–7
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	5–7
Professor E. R. H. Ivamy, LL.D.	7–7
Professor D. Lewis, D.SC., F.R.S.§	2–4
R. D. McLellan, PH.D.†§	4–4
The Rev. A. Montgomery Mann, T.D., B.A., B.D.	6–7
Professor Sir Ronald Nyholm, D.SC., F.R.I.C., F.R.S.†¶§	0–1
T. A. L. Paton, C.M.G., B.SC., C.ENG., M.I.C.E., F.A.S.C.E.†	3–7
S. W. C. Phillips, C.B., B.A.¶	4–5
Sir Edward Playfair, K.C.B.	6–7
The Hon. Jacob Rothschild¶	1–3
Professor P. N. Rowe, B.SC.(TECH.), PH.D., D.SC.(ENG.), C.ENG., M.I.CHEM.E., D.I.C.¶	2–3
Professor H. O. Schild, M.D., PH.D., D.SC., F.R.S.	6–7
Sir Harold Shearman, M.A., J.P.	5–7
Professor E. G. Turner, M.A., F.B.A.¶	2–3
G. F. Vaughan, M.B., F.R.C.P., D.P.M.	1–7
G. E. Walker, O.B.E., M.A.	4–7
E. M. P. Welman	3–7

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1966 to 30 September 1967. † Fellow of the College. ‡ Hon. Fellow of the College. § Membership terminated before 30 September 1967. ¶ Appointed after 1 October 1966. ‖ Appointed July 1967 after date of last meeting.

APPENDIX II

PROFESSORIAL BOARD

Chairman: The Rt Hon. Lord Annan, O.B.E., M.A., D.LITT., D.U., Provost

M. Abercrombie, M.A., B.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

J. T. Aitken, M.D., Professor of Anatomy

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, C.B.E., M.COM., PH.D., F.B.A., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Reader in Phonetics

R. J. Audley, PH.D., Professor of Psychology

Ernest Baldwin, SC.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., C.ENG., F.I.E.E., M.I.MECH.E., F.R.S., Pender Professor of Electrical Engineering†

J. A. Barnard, PH.D., A.R.C.S., D.I.C., Reader in Chemical Technology

T. Barnard, PH.D., D.I.C., Professor of Micropalaeontology

N. A. Barnicot, PH.D., Professor of Physical Anthropology

M. S. Bartlett, M.A., D.SC., F.R.S., Professor of Statistics

H. Billett, B.SC.(ENG.), C.ENG., A.M.I.MECH.E., A.F.R.AE.S., Professor of Mechanical Engineering

R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), C.ENG., M.I.MECH.E., A.F.R.AE.S., Kennedy Professor of Mechanical Engineering†

L. S. Bosanquet, M.A., D.PHIL., D.SC., Professor of Mathematics

Marian E. A. Bowley, B.SC.(ECON.), PH.D., Professor of Political Economy

R. L. F. Boyd, B.SC.(ENG.), PH.D., C.ENG., F.I.E.E., Professor of Physics

F. Brailsford, B.SC.(ENG.), PH.D., C.ENG., F.I.E.E., Professor of Electrical Engineering

Arthur Brown, M.A., D.LIT., Professor of English

E. H. Brown, M.SC., PH.D., Professor of Geography

J. Brown, M.A., PH.D., D.SC.(ENG.), C.ENG., F.I.E.E., Professor of Electrical Engineering

E. H. S. Burhop, B.A., M.SC., PH.D., F.R.S., Professor of Physics

J. H. Burns, M.A., PH.D., Professor of the History of Political Thought

L. Castillejo, M.A., B.SC.(ENG.), Professor of Physics

A. H. Chilver, M.A., D.SC., C.ENG., A.M.I.C.E., A.M.I.STRUCT.E., A.F.R.AE.S., Chadwick Professor of Civil Engineering

I. R. Christie, M.A., Professor of Modern British History

A. B. C. Cobban, M.A., PH.D., Professor of French History

Sir William Coldstream, C.B.E., D.LITT., Slade Professor of Fine Art†

P. E. Corbett, M.A., Yates Professor of Classical Art and Archaeology

D. P. Craig, D.SC., F.R.I.C., Professor of Chemistry†

J. S. Cummins, PH.D., Reader in Spanish

S. P. Datta, B.SC., M.B., B.S., Professor of Medical Biochemistry

Florence N. David, D.SC., Professor of Probability and Statistics

D. G. Davis, PH.D., Senior Lecturer in Physics

G. D. Dawson, M.SC., M.B., CH.B., Professor of Physiology

†Fellow of the College.

J. Diamond, PH.D., M.B., B.S., Reader in Physiology
D. T. Donovan, D.SC., Yates-Goldsmid Professor of Geology
G. C. Drew, M.A., Professor of Psychology
W. B. Emery, M.B.E., M.A., D.LIT., F.B.A., F.S.A., Edwards Professor of Egyptology
T. Estermann, D.SC., D.NAT.SC., Professor of Mathematics
L. D. Ettlinger, PH.D., F.S.A., Durning-Lawrence Professor of the History of Art
C. Fahy, M.A., PH.D., Lecturer in Italian
P. G. Foote, M.A., Professor of Old Scandinavian
Daryll Forde, PH.D., F.B.A., Professor of Anthropology†
L. Fowden, PH.D., F.R.S., Professor of Plant Chemistry†
D. B. Fry, PH.D., Professor of Experimental Phonetics
A. C. Gimson, B.A., Professor of Phonetics
A. L. Greenbaum, PH.D., D.SC., Professor of Biochemistry
H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics
M. A. K. Halliday, M.A., PH.D., Professor of General Linguistics
H. Harris, M.A., M.D., F.R.S., Galton Professor of Human Genetics
A. G. Hawkes, PH.D., Lecturer in Statistics
F. F. Heymann, B.SC.(ENG.), PH.D., Professor of Physics
C. J. Holdsworth, M.A., PH.D., Lecturer in History
The Rt Hon. Lord Holford, M.A., D.C.L., LL.D., D.LITT., F.R.I.B.A., M.T.P.I., F.I.L.A., A.R.A., Professor of Town Planning
D. C. Holland, M.A., Professor of English Law
R. G. Hopkinson, B.SC.(ENG.), PH.D., C.ENG., F.I.E.E., F.R.P.S., F.I.E.S., Haden-Pilkington Professor of Environmental Design and Engineering
R. A. Humphreys, O.B.E., M.A., PH.D., D.LITT., Professor of Latin American History
J. Hurstfield, D.LIT., Astor Professor of English History†
A. F. Huxley, M.A., D.SC., M.D., F.R.S., Jodrell Professor of Physiology
Raymond Irwin, M.A., F.L.A., Professor of Library Studies
E. R. H. Ivamy, LL.D., Professor of Law
B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics†
G. W. Keeton, M.A., LL.D., F.B.A., Professor of English Law
D. R. Laurence, M.D., F.R.C.P., Professor of Pharmacology and Therapeutics
D. Lewis, D.SC., F.R.S., Quain Professor of Botany
N. Lichfield, B.SC., PH.D., C.ENG., M.T.P.I., F.R.I.C.S., A.M.I.MUN.E., Professor of the Economics of Town Planning
The Rt Hon. Lord Llewelyn-Davies, M.A., F.R.I.B.A., M.T.P.I., Professor of Architecture
The Rt Hon. Lord Lloyd, M.A., LL.D., Quain Professor of Jurisprudence†
Dame Kathleen Lonsdale, D.B.E., D.SC., LL.D., F.R.S., Professor of Chemistry†
A. Maccoll, PH.D., D.SC., F.R.I.C., Professor of Chemistry
R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin†
Sir Harrie Massey, D.SC., PH.D., LL.D., F.R.S., Quain Professor of Physics
W. R. Mead, M.SC.(ECON.), PH.D., F.D., Professor of Geography
R. Miledi, M.D., Professor of Biophysics
D. J. Millen, PH.D., D.SC., Professor of Chemistry
A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

†Fellow of the College.

J. L. Mongar, PH.D., Professor of Pharmacology
Sir Ronald Nyholm, D.SC., F.R.I.C., F.R.S., Professor of Chemistry†
Randolph Quirk, M.A., PH.D., D.LIT., Professor of English Language
Constance M. Rigby, M.A., PH.D., Senior Lecturer in Mathematics†
C. A. Rogers, D.SC., F.R.S., Astor Professor of Mathematics†
P. N. Rowe, B.SC.(TECH.), PH.D., D.SC.(ENG.), C.ENG., M.I.CHEM.E., A.M.C.T., D.I.C., Ramsay Memorial Professor of Chemical Engineering
E. C. Ryder, M.A., LL.B., Professor of English Law
P. A. Samet, PH.D., Director of Computer Centre, Senior Lecturer in Mathematics
E. H. Scamell, LL.M., Professor of English Law
H. O. Schild, M.D., PH.D., D.SC., F.R.S., Professor of Pharmacology
W. Schwarz, M.A., PH.D., Professor of German
G. Schwarzenberger, PH.D., DR.JUR., Professor of International Law
J. W. Scott, B.A., A.L.A., Librarian
M. A. Screech, D.LITT., Professor of French
M. J. Seaton, PH.D., F.R.S., Professor of Physics
O. Skutsch, DR.PHIL., Professor of Latin
R. J. Smeed, C.B.E., PH.D., Professor of Traffic Studies
A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., LITT.D., FIL.DR., F.S.A., Quain Professor of English Language and Literature*
C. A. B. Smith, M.A., PH.D., Weldon Professor of Biometry
J. Spraos, M.A., Professor of Political Economy
S. Stein, PH.D., Professor of Hebrew
K. Stewartson, M.A., PH.D., F.R.S., Goldsmid Professor of Mathematics
James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature
K. W. Swart, LITT.D.(LEIDEN), Professor of Dutch History and Institutions
D. Thomas, M.A., Lecturer in Geography
J. A. C. Thomas, M.A., LL.B., Professor of Roman Law
E. H. Thompson, O.B.E., M.A., F.R.I.C.S., Professor of Photogrammetry & Surveying
D. A. Turin, DIPL.ARCH., S.C.A., London Master Builders Professor of Building
E. G. Turner, M.A., F.B.A., Professor of Papyrology
P. D. Wall, M.A., D.M., Professor of Anatomy
T. B. L. Webster, M.A., LITT.D., F.S.A., F.B.A., HON.R.A., Professor of Greek
R. Weiss, B.A., Professor of Italian
G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology
P. Wheatley, M.A., PH.D., Professor of Geography
D. J. B. White, PH.D., Senior Lecturer in Botany
D. R. Wilkie, M.D., M.B., B.S., M.R.C.P., Professor of Experimental Physiology
J. S. Wilkie, B.SC., PH.D., F.L.S., Reader in History and Philosophy of Science
Elizabeth M. Wilkinson, PH.D., LL.D., Professor of German
B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature
Richard Wollheim, M.A., Grote Professor of Philosophy of Mind and Logic
J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

†Fellow of the College. *Died 11 May 1967.

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1967:

HONORARY FELLOWS

Dr Percy Dunsheath, C.B.E., formerly Chairman of Convocation and Member of the Senate of the University of London and Member of University College Committee and Chairman of the Managing Committee.

Sir Max (Leonard) Rosenheim, K.B.E., Professor of Medicine in the University of London, and Director of Medical Unit, University College Hospital Medical School; Physician, University College Hospital; President of the Royal College of Physicians.

FELLOWS

Professor Eleanor Margaret Burbidge (née Peachey), F.R.S., Professor of Astronomy, University of California at San Diego.

Dr Esmond Samuel de Beer, F.B.A., Historical Scholar, specialising in seventeenth century English history.

Dr John Stodart Kennedy, F.R.S., Senior Principal Scientific Officer, Agricultural Research Council Unit of Insect Physiology in the University of Cambridge.

The Reverend Professor George Dunbar Kilpatrick, Dean Ireland's Professor of Exegesis of Holy Scripture, in the University of Oxford.

Dr Osbert Lancaster, C.B.E., Writer, Artist, and Cartoonist.

Professor Arthur George Ling, Professor and Head of Department of Architecture and Civic Planning in the University of Nottingham.

Miss Doreen Nightingale, Thoracic Surgeon, University College Hospital and Consultant Surgeon, National Temperance Hospital.

Dr Constance Mary Rigby, Senior Lecturer in the Department of Mathematics at University College London.

Mr Frederick Edward Warner, Senior Partner of Cremer and Warner, Consulting Chemical Engineers; Past-President of the Institution of Chemical Engineers.

APPENDIX IV

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointments: M. R. A. Chance, PH.D., D.SC., F.I.BIOL. (Honorary Research Associate), Reader in Ethology, University of Birmingham.

P. H. Fry, B.A. (Research Assistant), formerly held Commonwealth Scholarship, University College of Rhodesia.

Patricia T. Wade, B.SC. (Research Assistant), formerly student in Department of Biochemistry.

Resignations: C. J. Jolly, B.A., PH.D. (Assistant Lecturer), to New York University.

R. G. Willis, B.LITT., D.PHIL. (Research Assistant), to Centre of African Studies, University of Edinburgh.

ARCHITECTURE

Appointments: R. Banham, PH.D. (Reader), formerly held temporary appointment in Department.

W. G. Bor, DIPL.ARCH., A.R.I.B.A., M.T.P.I. (Part-time Senior Lecturer), formerly Chief Planning Officer, City of Liverpool Corporation.

C. W. Doidge, M.SC. (Research Assistant), formerly student in Department.

EGYPTOLOGY

Retirement: R. O. Faulkner, D.LIT., F.S.A. (Special Lecturer), to be Honorary Research Associate.

ENGLISH LANGUAGE AND LITERATURE

Appointments: Sir Ifor Evans, M.A., D.LIT., LL.D. (now The Rt Hon. Lord Evans), (Honorary Research Associate).

Mrs Margaret A. Marshment, B.A. (Assistant), formerly student in Department.

Resignations: H. T. Carvell, M.A. (Research Assistant).

Joan Mulholland, M.A. (Research Assistant), to College of Further Education, Bracknell, Berks.

Retirement: James R. Sutherland, M.A., B.LITT., LL.D., F.B.A. (Lord Northcliffe Professor of Modern English Literature).

Death: A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., LITT.D., FIL.DR., F.S.A. (Quain Professor of English Language and Literature).

FINE ARTS

Appointment: Reg Butler, A.R.I.B.A. (Director of Sculpture Studies), formerly held part-time appointment in Department.

Resignations: Frank Auerbach, A.R.C.A. (Part-time Lecturer).

Michael Andrews (Part-time Lecturer).

D. A. Levy, M.SC., PH.D. (Part-time Lecturer).

Sir Thomas Monnington, P.R.A. (Part-time Lecturer), President of the Royal Academy.

FRENCH

Resignation: Colin Smith, M.A., PH.D. (Reader), to Chair of French, University of Reading.

GEOGRAPHY

Appointments: F. W. Carter, M.A. (Assistant Lecturer), from King's College, London.

A. M. O'Connor, B.A., PH.D. (Lecturer), formerly Visiting Lecturer, University of Ibadan, Nigeria.

R. J. C. Munton, B.A. (Assistant Lecturer), formerly postgraduate student, University of Birmingham.

J. Salt, B.A. (Assistant Lecturer), formerly held University of Liverpool Fellowship.

Resignations: J. H. Bird, B.A., PH.D. (Reader), to Chair of Geography, University of Southampton.

K. A. Sinnhuber, D.PHIL. (Lecturer), to Readership in the Regional and Economic Geography of the Federal Republic of Germany, University of Surrey.

R. G. Ward, M.A., PH.D. (Lecturer), to Chair of Geography, University of New Guinea.

GERMAN

Appointment: Mrs Joyce P. Crick, M.A. (Lecturer), formerly held temporary appointment in Department.

GREEK

Appointments: A. H. Griffiths, B.A. (Assistant Lecturer), formerly postgraduate student, Gonville and Caius College, Cambridge.
A. A. Long, B.A., PH.D. (Lecturer), from University of Nottingham.

Resignation: M. Winterbottom, M.A., D.PHIL. (Lecturer), to be Fellow of Worcester College, Oxford.

HISTORY

Appointments: H. Blakemore, B.A., PH.D. (Honorary Research Associate), Secretary/Librarian, Institute of Latin American Studies.
P. F. Clarke, M.A., PH.D. (Assistant Lecturer), formerly postgraduate student, St John's College, Cambridge.
R. S. Craig, B.SC.(ECON.) (Lecturer), formerly student, London School of Economics and Political Science.
R. C. Floud, B.A. (Assistant Lecturer), formerly postgraduate student, Nuffield College, Oxford.
K. W. Swart, LITT.D. (LEIDEN) (Professor of Dutch History and Institutions), formerly Associate Professor of History, Agnes Scott College, Decatur, Georgia.
J. A. Thompson, B.A. (Assistant Lecturer), formerly held Harkness Fellowship of the Commonwealth Fund, University of California, Berkeley.

Resignation: A. A. Sinclair, B.A., PH.D. (Lecturer).

ITALIAN

Resignation: C. F. Fahy, M.A., PH.D. (Lecturer), to Readership in Italian, Birkbeck College.

LATIN

Appointments: A. H. Griffiths, B.A. (see Greek).
A. A. Long, B.A., PH.D. (see Greek).

Resignation: M. Winterbottom, M.A., D.PHIL. (see Greek).

PHILOSOPHY

Appointments: Mrs Gillian M. Keene, B.A. (Assistant Lecturer), formerly held temporary appointment in Department.
Iris Murdoch, M.A. (Honorary Research Associate).

PHONETICS

Appointment: P. C. Wason, M.A., PH.D. (Senior Lecturer), formerly held honorary appointment in Department of Psychology.

POLITICAL ECONOMY

Appointments: G. Catephores, LL.B., M.SC. (Research Assistant), formerly postgraduate student, London School of Economics and Political Science.
N. J. Rau, B.A., B.PHIL. (Assistant Lecturer), formerly postgraduate student, Nuffield College, Oxford.

Resignations: P. Ray, M.SC.(ECON.), M.A. (Lecturer), to Oxford College of Technology.

A. A. Shapiro, B.A., PH.D. (Assistant Lecturer), to York University, Toronto.

Retirement: G. C. Allen, C.B.E., M.COM., PH.D., F.B.A. (Professor of Political Economy).

SCANDINAVIAN STUDIES

Appointment: R. M. Perkins, M.A. (Assistant Lecturer), formerly held Icelandic Government Scholarship, University of Iceland.

Resignation: J. A. Bergman, FIL.LIC. (Crown Princess Louise Lecturer in Swedish), to teaching appointment, Gothenburg, Sweden.

TOWN PLANNING

Appointments: W. G. Bor, DIPL.ARCH., A.R.I.B.A., M.T.P.I. (Honorary Lecturer), formerly Chief Planning Officer, City of Liverpool Corporation.

Lt.-Col. D. F. Densham-Booth, O.B.E., R.E., F.I.O.B. (Honorary Research Associate), Directorate of Quartering (Army), Ministry of Defence.

S. Musgrave, B.A. (Research Assistant), formerly student, University of Sussex.

Resignation: G. P. Youngman, M.A., P.P.I.L.A., M.T.P.I. (Part-time Lecturer).

FACULTY OF LAWS

Appointment: P. B. H. Birks, B.A. (Part-time Assistant Lecturer), from Northwestern University, Chicago.

Resignation: D. W. M. Waters, B.C.L., M.A., PH.D. (Reader in English Law), to Chair of Trusts and Property Law, McGill University.

FACULTY OF SCIENCE

ANIMAL GENETICS

Appointments: M. S. Deol, M.SC., PH.D. (Honorary Research Associate), formerly Honorary Research Assistant in Department.

Gillian M. Truslove, PH.D. (Honorary Research Associate), formerly Honorary Research Assistant in Department.

ASTRONOMY

Appointment: G. Fielder, PH.D. (Lecturer), formerly held honorary appointment in Department.

BOTANY

Appointments: J. W. Anderson, B.AGR.SC., PH.D. (Research Assistant), formerly held Postdoctoral Fellowship, University of Melbourne.

F. B. Goldsmith, B.SC. (Assistant Lecturer), formerly postgraduate student, University College of North Wales, Bangor.

Resignations: P. J. Newbould, B.A., PH.D. (Senior Lecturer), to Chair of Biology, New University of Ulster, Coleraine.

P. J. Syrett, M.A., D.SC. (Reader), to Chair of Botany, University College of Swansea.

R. H. Wilson, B.A. (Research Assistant), to Botany School, University of Oxford.

CHEMISTRY

Appointments: M. Barber, D.PHIL. (Honorary Research Associate), Associated Electrical Industries.

P. J. Thomas, PH.D. (Honorary Research Associate), Imperial Chemical Industries.

Mrs Mary R. Truter, PH.D., D.SC., A.R.C.S. (Honorary Research Associate), Deputy Director, Unit of Structural Chemistry, Agricultural Research Council.

Resignations: Professor A. Albert, D.SC., PH.D., F.R.I.C. (Honorary Research Associate), to Australian National University, Canberra.

M. A. Bennett, PH.D. (Lecturer), to Australian National University, Canberra.

R. Bramley, M.SC., PH.D. (Lecturer), to Australian National University, Canberra.

D. P. Craig, PH.D., D.SC., F.R.I.C., (Professor), to Chair of Physical and Theoretical Chemistry, Australian National University, Canberra.

J. Ferguson, B.SC. (Research Assistant), to the Bureau of Mineral Resources, Department of National Development, Canberra.

B. L. Silver, PH.D. (Honorary Research Associate).

GEOLOGY

Appointments: D. T. Donovan, PH.D., D.SC. (Yates-Goldsmid Professor of Geology), from Chair of Geology, University of Hull.

R. Mason, B.A. (Lecturer), formerly postgraduate student, Christ's College, Cambridge.

R. M. F. Preston, B.SC. (Assistant Lecturer), formerly postgraduate student, University of Durham.

Resignation: A. H. Clark, PH.D. (Lecturer), to Queen's University at Kingston, Ontario.

HISTORY AND PHILOSOPHY OF SCIENCE

Appointment: A. N. Maxwell, M.A. (Assistant Lecturer), from University of Manchester.

HUMAN GENETICS AND BIOMETRY

Appointments: D. A. Hopkinson, M.A., M.D., M.R.C.S., L.R.C.P. (Honorary Lecturer), formerly Honorary Research Assistant in Department.

Elizabeth B. Robson, PH.D. (Honorary Lecturer), formerly Honorary Research Assistant in Department.

Resignation: M. d'A. Crawfurd, M.B., B.S. (Senior Lecturer), to University of Leeds.

MATHEMATICS

Appointments: J. M. Anderson, PH.D. (Lecturer), formerly held temporary appointment in Department.

A. M. J. Davies, M.A., PH.D. (Lecturer), formerly held temporary appointment in Department.

D. G. Larman, PH.D. (Lecturer), from University of Sussex.

P. A. Samet, PH.D. (Senior Lecturer; Computer Director, Computer Centre). formerly Director of Computation Laboratory, University of Southampton.

PHYSICS

Appointments: L. Castillejo, M.A., B.SC.(ENG.) (Professor), formerly University Lecturer in Theoretical Physics and Fellow of Wadham College, Oxford.

J. W. Humberston, PH.D. (Lecturer), formerly held honorary appointment in Department, and Temporary Lectureship, Trinity College, Dublin.

P. Hyson, B.SC. (Research Assistant), formerly held research appointment in Department.
Gillian Peach, PH.D. (Lecturer), from University of Maryland.
R. W. Procunier, PH.D. (Lecturer), formerly postgraduate student in Department.
J. H. Wickens, B.SC. (Research Assistant), formerly postgraduate student in Department.
T. H. Yao, B.SC., M.A. (Research Assistant), from University of Hong Kong.

Resignations: D. A. Garbutt, PH.D. (Research Assistant), to Imperial College of Science and Technology.
H. B. Gilbody, PH.D. (Lecturer), to Chair of Physics, The Queen's University of Belfast.
C. Henderson, PH.D. (Reader), to University of Aberdeen.

PSYCHOLOGY

Appointments: R. M. Farr, M.A. (Lecturer), formerly Senior Psychologist, Ministry of Defence (Air Ministry).
Mrs Sheila Jones, M.A., PH.D. (Lecturer), formerly held honorary appointment in Department.
T. Shallice, PH.D. (Lecturer), from University of Manchester.

Resignation: Mildred D. Marshak, PH.D. (Part-time Lecturer).

STATISTICS

Appointments: R. F. Galbraith, M.SC. (Research Assistant).
D. H. Girmes, B.SC., D.I.C. (Assistant Lecturer), formerly postgraduate student, Imperial College of Science and Technology.
V. Siskind, B.SC. (Lecturer), formerly postgraduate student in Department.

Resignations: M. S. Bartlett, M.A., D.SC., F.R.S. (Professor of Statistics), to Chair of Biomathematics, Oxford.
Florence N. David, PH.D., D.SC. (Professor of Probability and Statistics), to University of California, Berkeley.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointments: Joan E. M. Heaysman, PH.D. (Part-time Research Fellow), formerly held honorary appointment in Department.
C. A. King, M.SC., PH.D. (Lecturer), from St Bartholomew's Hospital Medical College.
Susan M. Pegrum, B.SC. (Research Assistant), from Department of Zoology, University of Cambridge.

Resignation: A. S. G. Curtis, M.A., PH.D. (Lecturer), to Chair of Cell Biology, University of Glasgow.

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointments: T. Stafford, M.SC., PH.D. (Honorary Research Associate).
E. Yarimci, PH.D. (Lecturer), from Lehigh University, Bethlehem, Pennsylvania.

Resignation: Professor D. A. Okun, SC.D. (Honorary Research Associate), to University of North Carolina.

MECHANICAL ENGINEERING

Appointments: M. J. Hall, B.SC.(ENG.), (Lecturer), formerly held research appointment in Department.

J. B. Roberts, B.SC.(ENG.) (Lecturer), formerly held honorary appointment in Department.

K. A. Taylor, B.SC.(ENG.), (Research Assistant), from industry.

ELECTRICAL ENGINEERING

Resignation: J. Brown, M.A., PH.D., D.SC.(ENG.), M.I.E.E. (Professor of Electrical Engineering), to Chair of Light Electrical Engineering, Imperial College of Science and Technology.

Retirement: H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., F.R.S. (Pender Professor of Electrical Engineering), to be Honorary Research Associate.

CHEMICAL ENGINEERING

Appointment: T. Gray Young, O.B.E., B.E., C.ENG., A.F.R.AE.S. (Honorary Research Associate), formerly Honorary Research Assistant in Department.

Resignation: C. Morris, B.SC.(ENG.), PH.D., A.M.I.CHEM.E. (Lecturer), to industry.

PHOTOGRAMMETRY AND SURVEYING

Appointment: K. B. Atkinson, B.SC. (Lecturer), from College of Estate Management.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: A. Boyde, B.D.S., PH.D., L.D.S.R.C.S.(ENG.) (Reader in Dental Anatomy), from The London Hospital Medical College.

C. R. Butler, B.SC., PH.D. (Assistant Lecturer), formerly student in Department.

E. S. Clarke, M.B., B.S. (Senior Lecturer and Head of Sub-Department of History of Medicine), from The Wellcome Historical Medical Museum and Library.

G. D. Gaffan, B.A. (Research Assistant), formerly student, Exeter College, Oxford.

J. W. Noble, B.SC. (Research Assistant, Medical Research Council Cerebral Functions Research Group), formerly postgraduate student in Department.

N. J. B. Plomley, M.SC. (Lecturer), formerly held Senior Lectureship, University of New South Wales.

C. H. Talbot, B.D., PH.D. (Honorary Research Associate, Sub-Department of History of Medicine), The Wellcome Historical Medical Museum and Library.

P. D. Wall, M.A., D.M. (Professor of Anatomy and Director, Medical Research Council Cerebral Functions Research Group), formerly Professor of Physiology, Massachusetts Institute of Technology.

Mrs Billie I. Williams, M.A., M.B., B.CHIR. (Research Assistant, Sub-Department of History of Medicine), from The Wellcome Historical Medical Library and Museum.

Resignations: V. C. Barber, B.SC. (Research Assistant), to University of Bristol.

J. L. de C. Downer, M.A., M.SC., PH.D. (Director, Medical Council Cerebral Functions Research Group; Honorary Research Associate, Department of Psychology), to Chair of Ophthalmology, University of Washington Medical School.

Professor P. Graziadei, M.D. (Honorary Research Associate), to Florida State University, Tallahassee.
Patricia V. Johnston, M.SC., PH.D., A.R.I.C. (Honorary Lecturer).
A. H. I. Lalljee, M.B., B S., M.R.C.S., L.R.C.P. (Assistant Lecturer).
A. A. Lester, L.R.C.P.E., L.R.C.S.E. (Assistant Lecturer).
Betty I. Roots, B.SC., PH.D. (Honorary Lecturer).
G. E. Savage, B.SC. (Research Assistant), to Queen Mary College.
J. R. L. Westaway, M.B., B.S. (Assistant Lecturer), to King's College Hospital.

BIOCHEMISTRY

Appointments: A. K. Huggins, M.SC., PH.D. (Lecturer), from University of Southampton.
M. R. Holloway, B.SC., PH.D. (Assistant Lecturer), formerly postgraduate student in Department.
F. A. Pennington, B.SC. (Research Assistant), formerly Departmental Assistant in Department.
Anne Gaskell, B.SC. (Research Assistant), formerly student, Bedford College.

Resignations: P. N. Campbell, PH.D., D.SC. (Honorary Lecturer).
Professor C. E. Dent, PH.D., M.D., F.R.I.C., F.R.C.P., F.R.S. (Honorary Lecturer).
R. S. Eisenthal, A.B., PH.D. (Research Assistant), to University of Bath.
Professor C. H. Gray, M.D., D.SC., F.R.C.P., F.R.I.C. (Honorary Lecturer).
Letitia E. Mutschler, A.B., M.SC., PH.D. (Research Assistant).
G. W. Offer, B.A., PH.D. (Assistant Lecturer), to King's College, London.
S. Pinder, B.SC. (Research Assistant), to St Bartholomew's Hospital Medical College.
Professor F. L. Warren, M.A., PH.D., D.SC., F.R.I.C. (Honorary Lecturer).
D. C. Watts, M.SC., PH.D. (Honorary Lecturer).

BIOPHYSICS

Appointment: L. T. Potter, A.B., M.D. (Honorary Research Associate), from Harvard Medical School.

PHARMACOLOGY

Appointments: A. F. Green, M.A. (Honorary Lecturer), The Wellcome Research Laboratories.
Norma E. Topping, M.SC. (Research Assistant), from Chester Beatty Research Institute.
M. Weatherall, M.A., B.SC., D.M. (Honorary Lecturer), The Wellcome Research Laboratories.

PHYSIOLOGY

Appointments: Mrs Lucy M. Brown, M.A., B.SC. (Research Assistant), formerly held part-time appointment in Department.
G. D. Dawson, M.SC., M.B., CH.B. (Professor of Physiology), formerly Professor of Experimental Neurology, Institute of Psychiatry.
R. M. Simmons, B.SC., PH.D. (Sharpey Scholar), formerly postgraduate student in Department.
M. E. Wilson, M.B., CH.B. (Lecturer), formerly Lecturer, Medical Research Council Cerebral Functions Research Group, Department of Anatomy and Embryology.

Resignation: M. F. Land, B.A. (Assistant Lecturer), to University of California, Berkeley.

APPENDIX V

PUBLIC LECTURES

ENDOWED LECTURES

BARLOW LECTURES ON DANTE

The Rev. Kenelm Foster, Cambridge: 'Dante and Eros' (three lectures)

BOURKE LECTURE OF THE FARADAY SOCIETY

Professor Harden M. McConnell, Stanford: 'Spin Labelled Biomolecules'

COMMONWEALTH FUND LECTURES

Professor John M. Blum, Yale: 'Politics and American Culture During the Second World War' (four lectures)

DOROTHEA COKE MEMORIAL LECTURE IN NORTHERN STUDIES

Professor G. Turville-Petre, Oxford: 'Harald the Hard-ruler and his Poets'

FELDBERG FOUNDATION LECTURE

Professor Dr Robert Stämpfli, Saar: 'Progress on the Node of Ranvier'

LORD NORTHCLIFFE LECTURES IN LITERATURE

Professor E. H. Gombrich, Warburg Institute: 'Rhyme and Reason in Pattern-making' (four lectures)

RICKMAN GODLEE LECTURE

The Hon. Sir Steven Runciman: 'Life in a Doomed City: the last years of Christian Constantinople'

SETON MEMORIAL LECTURE

Mr M. D. Lambert, Bristol: 'The Franciscan Crisis under John XXII'

INAUGURAL LECTURES

Professor R. J. Audley, Professor of Psychology: 'Choice and Chance'

Professor L. S. Bosanquet, Professor of Mathematics: 'The Sum of an Unconvergent Series'

Professor J. H. Burns, Professor of the History of Political Thought: 'The Fabric of Felicity: the legislator and the human condition'

Professor I. R. Christie, Professor of Modern British History: 'Myth and Reality in Late-Eighteenth-Century British Politics'

Professor M. A. K. Halliday, Professor of General Linguistics: 'Grammar, Society and the Noun'

Professor D. C. Holland, Professor of English Law: 'Police Powers and the Citizen'

Professor P. N. Rowe, Ramsay Memorial Professor of Chemical Engineering: 'Engineering Research and Undergraduate Teaching'

Professor E. H. Scamell, Professor of English Law: 'Matrimonial Assets'

Professor M. A. Screech, Professor of French: 'Rabelais's Christian Comedy'

LUNCH-HOUR LECTURES

Professor C. W. Allen: 'Is the Calendar Sacrosanct?'
Professor G. C. Allen: 'Rapid Economic Growth—the Japanese Example'
Dr R. Banham: 'The Architecture of Night and Light'
Mr M. P. Barnes: 'King Sverre of Norway—A Royal Impostor?'
Professor G. Belyavin, University College Hospital Medical School: 'Influenza: the Mysterious Scourge'
Mr B. C. Brookes: 'Scientific Information and the Computer'
Professor Arthur Brown: ' "But for whom. . ."—The Art of Dedicating a Book'
Professor E. H. Brown: 'Andean Encounter—The Argentine/Chile Boundary Dispute'
Dr J. W. Burton: 'The Resolution of International Conflict'
Mr G. A. Cohen: 'The Workers and the Word'
Dr A. Comfort: 'The Prevention of Ageing in Cells'
Mr D. B. Davies: 'El Greco: "The Purification of the Temple" '
Dr C. Fahy: 'Italo Svevo: James Joyce's Italian Protégé'
Dr E. C. B. Hall-Craggs: 'Jumping Bushbabies'
Dr Peggie M. Hobson: 'Geographical Aspects of Apartheid'
Mr E. D. R. Honderich: 'Punishment'
Dr H. Kalmus: 'Biological Research in Developing Countries'
Mr L. B. Keeble: 'Town Planning: what should it achieve?'
Mr J. H. Kells: 'What makes Greek Drama alive today?'
Mr D. P. M. Morton-Williams: 'Markets and Politics in West Africa before the Colonial Period'
Dr J. W. Mullin: 'Crystallization—Art, Science and Technology'
Mr A. G. R. Petti: 'How to Die Well: a theme in Renaissance literature'
Mr J. B. Roberts: 'Monte Carlo Methods for Solving Random Vibration Problems'
Mr T. P. Roberts: 'The Primitive in Tragedy: Euripides "The Bacchae" '
Mr H. D. Sluga: 'Paradoxes'
Dr A. J. Smith: 'Submarine Geology of the Western Approaches'
Dr W. K. Taylor: 'The Memory of a Learning Machine'
Professor E. G. Turner: 'The Fate of a Dishonest Brewer of Arsinoe'
Dr V. P. Underwood: 'Are French Novels Immoral?'
Dr C. V. Wedgwood: 'Some Thoughts on the Historical Novel'
Dr G. A. Wells: 'Goethe and Evolution'
Dr D. J. B. White: 'Blakeney Point (Norfolk) Nature Reserve'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

ANATOMY AND EMBRYOLOGY

Professor J. Brachet, Brussels: 'Control of Morphogenesis and Protein Synthesis in the absence of the Nucleus'
Professor Hans Engström, Gothenburg: 'Recent Work on the Ear'
Professor E. Gutmann, Czechoslovak Academy of Sciences, Prague: 'Neurotrophic Relation between Nerve and Muscle Cells'
Professor Rita Levi-Montalcini, Washington University, St Louis: 'Nerve Growth Factor—Recent Work'

BIOCHEMISTRY

Professor M. Klingenberg, Philips University, Marburg/Lahn: 'Structure and Function of the Respiratory Chain', 'Pathways of Phosphate Transfer in Mitochondrial Phosphorylations' (two lectures)

Professor R. R. Porter, St Mary's Hospital Medical School: ' Recent Studies of Antibody Structure'

Professor S. Rapoport, Humboldt University, Berlin: 'The Biochemistry of the Red Blood Cell' (two lectures)

Professor K. Wallenfels, Freiburg: 'Enzymic Transformations at Carbon-1 of Galactose and Galactosides' (three lectures)

GERMAN

Professor P. Wapnewski, Freie Universität, Berlin: 'Walthers von der Vogelweide Spruch zur Magdeburger Weihnacht (19,5)'

HEBREW AND JEWISH STUDIES

Dr Gershom Scholem, Emeritus Professor in the Hebrew University of Jerusalem: 'S. J. Agnon: The Last Hebrew Classic?'

HISTORY AND PHILOSOPHY OF SCIENCE

Professor Robert E. Schofield, Case Institute of Technology, Cleveland, Ohio: 'The Dynamic Corpuscular Tradition in English Natural Philosophy: the first phase, 1704–1738', 'Dynamic Corpuscularity in the Work of Cavendish, Priestley, Herschel, and Hutton' (two lectures)

LAWS

Professor O. R. Marshall, Sheffield: 'The Law Commission'

MATHEMATICS

Professor Béla Szökefalvi-Nagy, Szeged: 'Criterion of Similarity to a Unitary Operator'

PHARMACOLOGY

Dr Marthe Vogt, Agricultural Research Council Institute of Animal Physiology, Babraham, Cambridge: 'Dopamine and Other Active Substances in the Corpus Striatum'

PHILOSOPHY

Dr László Mátrai, Member of the Hungarian Academy of Sciences: 'Hegel on Religion and Atheism'

PHYSIOLOGY

Dr Kensei Cheng, New York University School of Medicine: 'Fast and Slow Fibres in Mammalian Extraocular Muscles'

APPENDIX VI

NUMBERS OF STUDENTS, SESSION 1966–67

	Under-graduates	*Post-graduates*	*Totals*
Faculty of Arts	1,036 (318)	409 (127)	1,445 (445)
Department of Political Economy ..	172 (3)	18 (1)	190 (4)
Slade School of Fine Art	147 (20)	42 (7)	189 (27)
Bartlett School of Architecture ..	118 (1)	46 (1)	164 (2)
Department of Town Planning ..	22 (9)	143 (88)	165 (97)
School of Librarianship and Archives	— (—)	74 (16)	74 (16)
	1,495 (351)	732 (240)	2,227 (591)
Faculty of Science	973 (13)	509 (73)	1,482 (86)
Faculty of Medical Sciences	250 (—)	6* (1)	256 (1)
Faculty of Engineering	335 (—)	187 (33)	522 (33)
Faculty of Laws	349 (33)	218 (73)	567 (106)
	3,402 (397)	†1,652 (420)	5,054 (817)

The figures in brackets indicate the number of part-time students included in the total under each head.

* This figure excludes 74 full-time and 6 part-time postgraduate students working in the College Faculty of Medical Sciences who were registered in the University Faculty of Science.

† Of this number 1,285 were registered for higher degrees of the University of London; the remainder were working for higher diplomas of the University or of the College, or for higher degrees of other universities, or were engaged in research work, or attending postgraduate lecture courses.

APPENDIX VII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1966–67

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM	3,023	1,028	4,051
BRITISH COMMONWEALTH OF NATIONS			
Australia	2	34	36
Canada	7	53	60
Ceylon	2	13	15
Cyprus	7	5	12
Ghana	6	14	20
Guyana..	8	4	12
Hong Kong	8	6	14
India	8	70	78
Malaya	13	5	18
New Zealand	1	9	10
Nigeria	20	49	69
Pakistan	3	39	42
Singapore	6	6	12
19 other countries	61	27	88
OTHER PARTS OF THE WORLD			
Egypt	—	19	19
France	20	3	23
Germany	22	9	31
Greece	4	25	29
Iran	6	9	15
Iraq	5	9	14
Japan	3	7	10
South Africa	7	7	14
Spain	7	6	13
Sudan	—	12	12
U.S.A.	61	93	154
36 other countries	92	91	183
	3,402	1,652	5,054

SUMMARY

United Kingdom	4,051
British Commonwealth of Nations ..	486
Other parts of the World	517
	5,054

APPENDIX VIII

ADMISSION OF FIRST DEGREE AND FIRST DIPLOMA STUDENTS SESSION 1966–67

	Students Admitted October 1966
FACULTY OF ARTS	
B.A. Honours	
English	37
French	31
German	23
Greek and Latin	17
Hebrew	10
History	37
Italian	6
Philosophy	20
Philosophy and Psychology	1
Scandinavian Languages	6
	188
B.Sc.(Econ.)	66
University Diploma in Fine Art	19
FACULTY OF SCIENCE	
B.Sc. Degree	
Anthropology	16
Astronomy	9
Biochemistry	21
Biological Sciences	7
Botany	12
Chemistry	68
Geography	56
Geology	17
Mathematics	47
Microbiology	10
Pharmacology	4
Physics	43
Physiology	11
Psychology	36
Statistics	15
Zoology	10
	382
B.Sc. Degree in Architecture	41

	Students Admitted October 1966
FACULTY OF LAWS	
LL.B.	112
FACULTY OF ENGINEERING	
B.Sc.(Eng.)	
Civil and Municipal Engineering	31
Electrical Engineering	21
Mechanical Engineering	25
B.Sc.(Eng.) Degree in Chemical Engineering	28
	105
FACULTY OF MEDICAL SCIENCES	
2nd Examination for Medical Degrees	92
2nd Examination for Dental Degrees	50
	142
Total	1,055

APPENDIX IX

UNIVERSITY HIGHER DEGREES AND HIGHER DIPLOMAS

FACULTY OF ARTS

Ph.D. *Anthropology:* R. J. Brain. *Comparative Philology:* Jennifer Forster. *English:* D. A. Cameron, W. R. Chadwick, A. H. de Quehen, A. E. Osler. *General Linguistics:* D. M. Yates. *Geography:* A. H. Dawson. *Greek:* C. W. Dearden, A. H. Soliman. *Hebrew:* D. Goldstein. *History:* N. Baker, Christine A. Bolt, Averil M. Cameron, Pamela M. Cartlidge, J. I. Daeley, Cynthia A. Dent, Frederika G. Oosterhoff, R. E. Schreiber. *Italian:* J. D. Moores. *Latin:* M. E. Welsh. *Philosophy:* B. J. Smart. *Phonetics:* J. R. Hurford. *Psychology:* M. R. Ali, Veronica J. Hales, P. N. Johnson-Laird, G. H. McLaughlin. [27]

M.Phil. *Anthropology:* Fahima Zahir Al Sadaty. *English:* A. H. Brodie, Mimi Chan, Josephine Evetts, Juliet M. Gowan, K. W. Graham, T. H. S. Kwami, J. Simko, T. Wright. *French:* Merle G. S. Hodge. *History:* Julia H. Andrews, J. R. Fisher, R. R. T. Prider. *Philosophy:* C. B. K. Archampong, D. J. Duthie, E. Khoi, G. R. Thompson. *Phonetics:* Vesna Izaković, A. W. Jones. *Scandinavian Studies:* W. A. Dannatt, Jean M. Rankine. *Spanish:* †N. Graveson. *Town Planning:* J. R. Allison, J. Ashby, Heather Batty, P. M. Beacham, T. J. Betts, D. Botting, M. R. Buckley, T. Bull, G. H. Cassidy, P. R. Cook, A. D. H. Crook, J. A. Dawson, R. E. Dimsdale, M. Edwards, M. J. Edwards, B. E. A. Evans, I. J. W. Firth, P. Flynn, E. E. Gates, L. W. Hansen, R. E. Hollox, A. Jago, C. J. I. James, Jean M. Kelly, R. I. Megan, P. R. Myatt, C. T. Nash, V. Poad, I. Robinson, A. G. Romanos, Kay Rowson, M. H. Ryder, J. R. Sheppard, M. G. M. Sherry, B. Taylor, G. H. Taylor, M. M. P. Thomas, Jacalyn Underwood, Eveline J. Walker, M. J. Whitbread, Elizabeth M. Wilson, J. B. Winsor, Honor M. R. Woodland. [65]

M.A. (Old Regs.) *Anthropology:* Emily C. Koloski. *Architecture:* C. J. Blow, J. V. Doggart, K. R. Roper, J. Storer. *English:* *A. J. Sinfield. *Geography:* *K. Sutton. *Phonetics:* J. R. Baldwin. *Town Planning:* A. S. Campbell, L. Guest. [10]

M.A. (New Regs.) *Librarianship:* Helen M. Kope, M. M. B. Khan, Alice Low Poh Gek-F. H. Mohammed. [4]

University Postgraduate Diplomas: Archive Administration, 10; Classical Archaeology, 2; Egyptology, 1; General Linguistics, 5; Librarianship, 52; Phonetics, 1; Psychology, 9; Social Anthropology, 1; Town Planning, 23. [104]

FACULTY OF ECONOMICS

M.Sc.in Economics *Economics:* L. A. Curtis, J. L. Grauer, K. A. King, D. Nguyen, *W. K. Norris. *International Relations:* A. Bennaton Ramos. [6]

*Awarded a mark of distinction. †Also registered at another Institution.

FACULTY OF LAWS

LL.D. B. Cheng, E. R. H. Ivamy, M. A. Millner. [3]

Ph.D. A. A. Adeogun, S. K. Ankama, G. Kling, A. O. Ojo, D. K. Poku-Amanfo, H. Saharay, F. E. O. Ume. [7]

LL.M. (Old Regs.) S. J. Al-Kadhem, ‡J. O. Faloye, B. P. J. Healy, A. Husain, A. H. A. H. Jawad, Rose A. Kearns, J. N. Monie, J. Onuaguluchi, A. O. O. Orakwusi, P. S. Panouris, Myrna A. Robinson, J. N. P. J. Rudd, S. Selvadurai, N. P. Shrestha, D. W. Wadegaonkar. [15]

LL.M. (New Regs.) I. S. L. Agboola, D. O. Aihe, S. Akele, V. G. Borg, A. A. H. Brown, E. C. S. Campbell, Chao Hick Tin, K. N. S. Counter, J. E. Cowan, D. A. Dawes, L. D. Elcock, K. El Rasheed, C. C. Eneh, *M. D. A. Freeman, D. C. Hayes, F. N. Kisob, D. H. McDougall, D. M. Mann, D. D. Mowoe, M. O. Mungovan, A. S. Munshi, P. O. Onaghise, G. O. M. Onwuchekwa, B. Onyekwelu, L. L. Proksch, G. W. Roddick, C. H. Sherrin, B. P. Singh, R. G. Wise. [29]

University Postgraduate Diploma in Law, 3. [3]

FACULTY OF SCIENCE

D.Sc. *History and Philosophy of Science:* W. A. Smeaton. [1]

Ph.D. *Anthropology:* D. P. M. Morton-Williams. *Astronomy:* J. A. Dawe. *Biochemistry:* Edith M. Burden, Thelma F. Davies, M. R. Hollaway, B. T. Hooton, †G. Kay, Norma D. D. McFarlane, S. Pinder, A. J. Skinner. *Botany:* R. Marchant, J. M. Pettitt, I. K. Smith. *Chemical Engineering:* M. Akbar. *Chemistry:* Mary P. Bell, J. R. Blackborow, J. R. Coad, R. G. Coombes, A. Cooper, A. B. Davey, L. A. Dissado, B. J. Gregory, R. J. Haines, S. R. Hartshorn, B. R. Hollebone, C. G. Hull, K. Jackson, W. R. Kneen, A. C. Legon, P. G. Rodgers, K. W. Turnbull, S. C. Vasishtha, L. Y. Wong. *Civil Engineering:* Sheena M. Johnson. *Geography:* B. W. Atkinson. *Geology:* J. E. Guest. *Human Genetics:* Suzan R. Ismail, Kusum P. Lele, D. P. Mukhopadhyay. *Mathematics:* S. Z. Abas, L. Gomberoff Jaikles, B. W. Thompson. *Physics:* E. Ahmed, G. D. Alam Qasmi, M. J. W. Boness, A. N. E. El-Wakeil F. H. M. Faisal, J. W. B. Hughes, B. S. Luetchford, M. M. M. Nakshabandi, R. Prasad, V. Ramanathan, D. Rees, V. K. Samaranayake, U. Samir, A. Wittkower, G. L. Wrenn. *Physiology:* Susanne C. Beilenson, H. Gonzalez Serratos, Venetia M. King, M. F. Land, L. H. Smaje. *Psychology:* W. J. W. Arnell, L. J. Buck, G. Gordon, Catherine M. Loewenthal, §J. W. Noble, Judith M. Pottinger, Patricia A. M. Wright. *Statistics:* J. Radcliffe. *Zoology:* Janet G. Imlah, P. H. Smith, S. M. Zeki. [73]

M.Phil. *Botany:* Firdausi Begum. *Chemical Engineering:* D. K. Sen Sharma. *Chemistry:* Lami'a Al-Adhami, Linda M. Bower. *Geology:* R. M. Wright. *Mathematics:* D. T. P. Game, D. A. Miller. *Physics:* Susan Laflin. *Statistics:* G. K. Osei. [9]

M.Sc. *Anthropology:* R. C. Gomm. *Architecture:* W. M. Amos, H. V. Chapman, C. W. Doidge, F. Essalat, *J. Leach, A. G. Lisle. *Electrical Engineering:* C. Gill, U. B. Sheorey. *History and Philosophy of Science:* A. A. Y. Mustafa, P. M. Osborne. [11]

*Awarded a mark of distinction. †Also registered at another Institution.
‡External student. §Also working in Anatomy.

M.Sc. in Science — *Biochemistry:* Eunice B. Forrest, P. N. Hirschmann, P. M. Sender, Cecelia A. Slotin, J. H. Steadman, Anna L. Tan, Marinatu O. Yesufu. *Conservation:* *Joan Greaves, Judith A. Hartley, M. E. Jakobson, Ann S. Kelly, J. S. Pethick, P. J. Reay. *Crystallography:* H. F. Shaw. *History of Science:* *A. J. Meadows. *Hydrogeology:* D. L. Charlesworth, P. L. Hall, R. M. Luis, G. R. Wright. *Physiology:* A. K. R. Al-Mallah, C. I. Bhagat, M. G. Bowtell, P. A. Kirkwood, R. Mawson, R. M. Simmons. *Statistics:* *C. W. Anderson, Jane I. Stubbes, S. W. Wynn. [28]

FACULTY OF ENGINEERING

Ph.D. — *Chemical:* A. Amatavivadhana, P. A. Butler, J. Garside, C. Gaska, R. G. W. Laughlin, B. M. Sankey, †K. J. Tarbuck. *Civil:* C. R. Ison, B. Kerley, S. H. Perry, D. T. Plinston, W. J. Supple. *Electrical:* J. P. Flemming, B. C. Heap, P. Sivaprakasapillai, L. J. Stagg, S. H. Taheri. *Mechanical:* W. K. Allan, A. Esin, D. F. Haines, P. W. Johnson, G. Kamalanathan, M. A. Kawakibi, R. D. B. May. *Photogrammetry and Surveying:* S. R. El-Masry. [25]

M.Phil. — *Civil:* A. K. Zakaria. *Electrical:* A. S. Baker, Low Kok Hing. [3]

M.Sc. (Eng.) — *Civil:* M. Randall. *Electrical:* I. Anderson, D. J. Gomes De Mesquita, M. M. McDermott, Yap Boh Ann. *Mechanical:* M. J. Cutland. [6]

M.Sc.in Engineering — *Microwaves:* Z. M. Abdul Hadi, C. D. Corbey, K. Flueckiger, A. C. S. A. Hamilton, S. H. Izadpanah, D. S. Loftus. [6]

FACULTY OF MEDICINE

Ph.D. — *Anatomy:* G. A. Abdel Kader. *Phonetics:* A. Skarbek. [2]

*Awarded a mark of distinction. †Also registered at another Institution.

APPENDIX X

COLLEGE AND UNIVERSITY AWARDS TO STUDENTS

COLLEGE AWARDS

Anatomy Prizes.—Medical: P. E. Harrison-Read. *Dental:* Angela M. Middleton.

Charlotte Ashby Prize (*Laws*).—Caroline E. Patterson.

Babcock & Wilcox Medal & Prize (*Mechanical Engineering*).—J. J. Stow.

Herbert Batsford Prize (*Architecture*).—J. P. S. Greenhalgh.

Thomas Witherden Batt Scholarships (*Science*).—R. H. Daly; F. J. Hawkins; R. G. Jones; Patricia B. Thompson.

Leonard Bayliss Memorial Prize (*Physiology*).—Helen C. B. Richardson.

Francis Perch Bedford Prize (*Zoology*).—M. J. Bevan.

Bonney Prize (*Geology*).—D. C. Cliffe.

Brodrick-Parry Prize (*Geography*).—J. H. Connell.

'The Builder' Prize (*Architecture*).—(December 1966 award).—R. F. Jowett.

Carey Foster Research Prize (*Physics*).—H. Osborn.

The Chadwick Medal & Prize (*Civil Engineering*).—N. J. Dixon.

Churchill-Jenkinson Prize (*Archive Administration*).—Joan O. Lyall.

Antonio Cippico Medal & Prize (*Italian*).—V. Ferrario.

Lilian Clarke Prize (*Botany*).—Brenda J. Thurlow.

Clinton Prize (*Electrical Engineering*).—M. A. Fuller.

Cluff Memorial Prize (*Medical*).—Janet E. Fox.

Cowley Prize.—Librarianship: Lesley E. Forbes.

Dawes Hicks Scholarships (*Philosophy*).—W. K. Boardman; D. G. Mayers; Yonah Weinberg.

Donaldson Medal (*Architecture*).—M. E. Brod.

Early English Text Society's Prize.—Jane M. Berry.

Fielden Research Scholarship (*German*).—H. K. A. Bung.

Sir Banister Fletcher Prize and Medal (*Architecture*).—J. Leach.

Richard FitzGerald Prize (*Engineering*).—T. A. Cole.

Flinders Petrie Scholarship (*Egyptian Archaeology*).—Julia E. Samson.

Foyle Prize (*Latin*).—R. J. Holland.

Edith Goodyear Prize (*Geology*).—M. T. Cotton.

Violet Hall Prize (*French*).—A. Ingle and Jennifer A. L. Powell, Prize equally divided.

Archibald P. Head Memorial Medal and Prize (*Electrical Engineering*).—M. C. Brown.

Heimann Medal (*German*).—Margaret H. Simonet.

Elsie Hitchcock Prize (*English*).—Jacqueline A. Yerbury.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—Daphne Y. Pike and A. J. Tipping, Scholarship equally divided.

Hollier Scholarship in Hebrew.—Amira Fletcher.

R. B. Hounsfield Scholarship in Traffic Engineering.—A. S. Hakkert.

R. B. Hounsfield Prizes in Town Planning and Civic Architecture.—R. W. Bennett; K. G. Hubbard.

Joseph Hume Scholarship in Jurisprudence.—Helen H. B. Galas.

Hurst Prize in English Law.—Penelope J. A. Rainbird.

Jackson Lewis Scholarships.—F. J. Odling-Smee; Hilary A. Povey; Jennifer A. L. Powell; P. G. Ralph; K. P. Rink.

Sir Hilary Jenkinson Scholarship in Archive Administration.—M. I. Moir.

Jolowicz Prize (Roman Law).—R. Hawkins.

Ker Memorial Prize (English).—Patricia M. Jackson.

Kitson Prize (Chemical Engineering).—C. G. Harvey.

Librarianship and Archives Exhibitions.—J. M. Henegan; M. J. Wills.

Lloyd Scholarship in Modern Greek.—Marcia E. Weinstein.

Sir John MacAlister Medal (Librarianship).—Shelagh C. Williams.

Melvill Nettleship Prize for Figure Composition.—Wendy J. Kashdan and P. T. Prendergast, Prize equally divided.

Sir William Meyer Prize (Geography).—J. Sienkiewicz.

Sir William Meyer Essay Prizes (Geography).—J. W. Hall; G. N. Sumner.

Sir William Meyer Prize (History).—Ruth M. Issacharoff.

Sir William Meyer Travelling Studentships (History).—Barbara Brooke; R. V. P. Mortimore; D. S. Ross; D. W. Towers-Perkins.

John Stuart Mill Scholarship in Philosophy of Mind and Logic.—A. Loizou.

Momber Scholarship in Science.—M. J. Bevan.

Morley Medal (Modern English Literature).—Sarah M. Hodgkin.

Morris Prize (Geology).—D. J. Wallace.

Douglas Murray Scholarship in Egyptology.—Janine D. Bourriau.

Perren Studentships (Astronomy).—M. J. Disney; A. E. Wright.

Physiology Prizes.—Medical: J. M. S. Blackmore. *Dental:* M. S. Pegg.

Platt Prizes (Greek).—Lysbeth J. Gordon; R. J. Holland.

Quain Studentship in English.—M. P. Rhodes.

Quain Studentship in Biology.—R. Marchant.

Ramsay Memorial Medal (Chemistry).—Wong Lai Yoong.

Graham Robertson Travelling Scholarship (Fine Art).—B. Llewellyn-Jones.

Robert Ross Scholarship in Fine Art.—R. D. Leworthy.

Hester Rothschild Scholarship (Hebrew).—Amira Fletcher.

L. M. Rothschild Scholarship (French).—D. C. Cox.

Sharpey Physiological Scholarship.—R. M. Simmons.

Slade Scholarships.—T. Platt; Lisa Pontecorvo.

Stanbury Scholarship in Stage Design.—Mabel Astarloa.

Steer Prize (Fine Art).—Christine Adams.

Stevenson Prize (*Applied Mathematics*).—J. D. Kelly and I. C. Walton, Prize equally divided.

Suckling Memorial Prize (*Practical Anatomy*).—S. A. Cairns.

Sir Andrew Taylor Prize in Architecture.—J. V. Doggart.

Tuffnell Scholarship (*Chemistry*).—F. L. Pearce.

L. F. Vernon-Harcourt Prize (*Civil Engineering*).—N. J. Dixon and R. J. Holden, Prize equally divided.

Ellen Watson Memorial Scholarship (*Applied Mathematics*).—Susan J. Poate.

Audrey Wykeham Prize (*Fine Art*).—Julia R. Atkinson.

FACULTY MEDALS AND PRIZES

Arts: Rosa Morison Medals and Prizes.—J. C. R. Bayley; H. K. A. Bung; J. H. Connell; G. E. Lock; Karin R. Petherick.

Laws: Andrews Medal and Prize.—R. D. Jenkins.

Science: Medals and Prizes.—P. N. Bradley; F. L. Pearce; D. N. Tovee.

Engineering: Goldsmid Medal and Prize.—J. W. Finch.

SESSIONAL PRIZES

Anthropology: Rosa Morison Prize.—Susan M. S. Copeland.

Architecture: Bartlett Prizes.—(1) R. M. Watson. (2) D. J. Clarke and R. Tomkins, Prize equally divided.

English: Campbell Clarke Scholarships.—(1) Joan M. Lord. (2) G. C. Hammond. *West Scholarship.*—Rosemary S. Allsobrook and P. G. Diamond, Scholarship equally divided.

French: Rosa Morison Prizes.—(1) Barbara Brill. (2) Helen Jarratt. (3) Diana B. King.

Geography: College Prize.—J. North. *Maconochie Prize.*—R. M. Smith. *1903 Prize.*—Ann J. Neligan.

German: Robertson Prize.—Carole A. Ford. *Willoughby Prize.*—Susan Winter.

Greek: Long Prize.—D. A. B. Thomas.

History: Dolley Prize.—B. B. Griffiths. *Pollard Prize.*—M. L. Wright. *West Prize.*—D. C. A. Padovan.

Italian: Sir Anthony Panizzi Prize.—K. P. Rink.

Latin: Key Prize.—D. A. B. Thomas.

Philosophy: Dawes Hicks Scholarship.—A. F. C. Crook.

Political Economy: Hume-Lloyd Scholarships.—(1) M. G. Farley. (2) P. T. Jowers. (3) J. A. R. Patman.

Scandinavian Studies: Rosa Morison Prize.—Christine I. Hewett.

Laws: Andrews Prizes.—(1) P. J. Nobes. (2) J. A. Paulson. (3) M. G. Barnes. (4) A. A. Child. (5) D. J. Miller.

Astronomy: Huggins Prize.—J. C. B. Papaloizou.

Biochemistry: Jack Drummond Prize.—G. C. Humphreys. *Plimmer Prize.*—M. E. Haines.

Botany: Darwin Prize.—A. J. Davy. *Robert Hooke Prize.*—I. R. Rowland.

Chemistry: C. K. Ingold Prizes.—(1) A. G. Knapp. (2) G. S. Bailey. (3) D. Griller.

Geology: Chubb Prize.—S. J. Lippard and M. J. Morrey, Prize divided.

Mathematics: Filon Prize.—J. L. Dobby. *Hill Prize.*—R. J. Cook. *Jeffery Prize.*—R. A. P. Weatherhead.

Physics: William Bragg Prize.—E. L. Dinham. *Oliver Lodge Prize.*—C. F. Rogers. *Wood Prize.*—S. Grounds.

Physiology: Foster Prize.—M. J. Hunter. *Sanderson Prize.*—Vivien M. Russell.

Psychology: McDougall Prize.—Pamela S. Huband. *Spearman Prize.*—Hazel M. Douglas and Elizabeth J. Peill, Prize equally divided.

Statistics: Egon Pearson Prize.—A. J. O'Hagan. *Karl Pearson Prize.*—G. Brogan and J. R. Shelton, Prize equally divided.

Zoology: (1) S. J. Bevan. (2) Carol E. Bradshaw.

Chemical Engineering: Goldsmid Prizes.—(1) L. R. Fellingham. (2) D. J. Carpenter.

Civil Engineering: Goldsmid Prizes.—(1) D. M. Sargent. (2) P. L. J. Domone.

Electrical Engineering: Goldsmid Prizes.—(1) J. Woollven. (2) D. J. Faulkner.

Mechanical Engineering: Goldsmid Prizes.—(1) Marilyn Lord. (2) W. R. Dunkley.

UNIVERSITY AWARDS

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anatomy: R. L. Tresman. *Classics:* J. A. Butterworth. *English:* P. L. Warnett (*Mary Ann Britt Studentship*). *French:* Elizabeth Ashford, A. Calder, Sandra A. Dibbs. *Hebrew:* S. C. Reif (*William Lincoln Shelley Studentship*). *History:* J. E. Hancock, Jane L. Rendall, D. J. Tierney. *Physics:* F. B. Dunning. *Psychology:* P. C. Humphreys.

UNIVERSITY FINALS STUDENTSHIPS

Chemistry: F. L. Pearce (and *Neil Arnott Studentship*) *Electrical Engineering:* D. J. Brown. *Fine Art:* N. Nicholson. *French:* Elizabeth A. Norton. *Geography:* J. H. Connell. *Laws:* R. D. Jenkins. *Physics:* D. N. Tovee (and *Granville Studentship*).

APPENDIX XI

UNIVERSITY FIRST DEGREE AND DIPLOMA EXAMINATION RESULTS

FACULTY OF ARTS

B.A. Honours	*1st Class Honours*	*2nd Class Honours Upper Div.*	*2nd Class Honours Lower Div.*	*3rd Class Honours*	*Total*
Anthropology	—	4	3	1	8
Classics	—	1	3	5	9
English	2	18	7	5	32
French	6	13	3	3	25
Geography	2	17	6	1	26
German	2	11	13	1	27
Hebrew	—	3	1	—	4
History	1	17	14	2	34
Italian	—	4	1	—	5
Latin	—	—	—	1	1
Philosophy	2	5	5	3	15
Psychology	2	2	7	—	11
Scandinavian Languages	1	1	3	1	6
	18	96	66	23	203

	1st Class Honours	*2nd Class Honours Upper Div.*	*2nd Class Honours Lower Div.*	*3rd Class Honours*	*Total*
B.A. Honours in Architecture	1	2	2	2	7

University Diploma in Fine Art: 51 students passed.

FACULTY OF LAWS

	1st Class Honours	*2nd Class Honours Upper Div.*	*2nd Class Honours Lower Div.*	*Pass*	*Total*
LL.B.	5	16	47	23	91

FACULTY OF SCIENCE

B.Sc.(Special)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
Anatomy	3	4	4	—	—	11
Anthropology	—	—	1	—	—	1
Astronomy	1	2	—	1	—	4
Biochemistry	2	8	3	—	1	14
Botany	2	2	2	2	—	8
Chemistry	2	10	14	5	—	31
Geography	2	16	2	—	—	20
Geology	—	2	2	2	—	6
Mathematics	10	5	12	6	—	33
Microbiology	1	3	3	—	—	7
Pharmacology	1	3	2	—	—	6
Physics	9	9	9	16	1	44
Physiology	1	5	4	—	—	10
Psychology	2	10	6	—	—	18
Statistics	—	4	4	—	2	10
Zoology	3	7	3	—	—	13
	39	90	71	32	4	236

B.Sc. Degree	Pass	Total
Chemistry	4	4
Mathematics	1	1
Physics	7	7
Statistics	4	4
	16	16

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
B.Sc. (Architecture) with Honours	—	7	7	9	23

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
B.Sc. (Engineering) (Revised Regulations)	13	17	20	22	7	79
B.Sc. (Engineering) (Chemical Engineering)	3	8	7	4	2	24

FACULTY OF ECONOMICS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
B.Sc. (Economics)	1	5	25	7	4	42

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 89 students passed.

Second Examination for Dental Degrees: 48 students passed.

APPENDIX XII

COLLEGE DIPLOMAS AND CERTIFICATES

FACULTY OF ARTS

Postgraduate Diploma in English Linguistic Studies: Evelyn Rosalind Marchant Abberton; Prajapati Prasad Sah. [2]

Certificate in Landscape Design: Edward Baverstock; John Bedford; Thomas Arthur Bellamy; Douglas Childs; Bridget Mary Rhona Des Graz; Bruce Chisholm Foster; Robert Gerald Clark Huddleston; Janet Marie Jack; Francis Joseph McCauley; Philip Austen Morte; Patrick Chetwynd Taylor. [11]

Certificate of Proficiency in Phonetics: Mabel Christine Adjeso; Georges Fernand Barnouin; Maria Lidianna Bolognesi; Barbara Brill; Michael Kenneth Chatterton; Bertha Chela; Beverley Simeon Collins; David Anthony Crossland; Alfonsina Doddis; Enid Toni Falaschi; Franz Fries; Jan Maxwell Frost; Clare Frances Gallagher; Jose Mendes Garcia; Maria Pilar Gayan; Margaret Rosemary Hadfield; Denise Kaftandji ; René Nicolas Klemmer; Maria Klyszejko; Ruth Marjatta Lax; Malka Levy; Ann McGrath; Eileen Monica Murray; Louise Paterson; Janine Zuzanna Pawlikowska; Edna Beatrice Slade; Sheila Margaret Sparkes; Robert Harry Stanley; Gerard Christopher Van Kroonenburg; Stjepo Vojvoda; Henry Waring; Gwenda Watchman; Patrick Sord Winterson; Mohamed Yunus. [34]

Certificate in Town Planning: Shivlal Ahuja; Dennis Ashbourne; Robert William Bennett; Christopher Hay Blagden; Roger Alan Bone; Irena Barbara Maria Bracewell; Beryl Muriel Burgess; Royston Charles Dent; Elisabeth Duncan; David Arthur McMath Hannah; Dennis Isaac Hardy; Colman George Higgins; Keith Gerald Hubbard; David Walter Hutchinson; Ghulam Mohammad Jelani; Peter Wingate Jones; Arthur Lemon; Martin Lubliner; William Arthur McKee; John Leonard Melvin; Warren George Panther; Geoffrey Frederick Poad; Duncan Thomas Pollock; Yash Pal Seth; Robin Clifford Spragg; William Anthony Keith Struthers; David John Sturt; Maurice John Turnecliff; Susan Mary Vaile. [29]

FACULTY OF SCIENCE

Postgraduate Diploma in Conservation: David Michael Beattie; Melvin Bolton; Hilary Claire Elizabeth Brooke; Antonio Luis Cardenas Colmenter; Robert John Douthwaite; Elizabeth Bill Hoey; Anne Elizabeth Keeling; Katharine Jane Michell; David Frank Athol Steane; Roger Charles Wright. [10]

Postgraduate Diploma in Hydrogeology: Philip Laurence Hall; Romeo Mariano Luis; Mohammad Abdul Muktadir; Geoffrey Richard Wright. [4]

Postgraduate Diploma in Space Science: Jose Antonio Arias-Sanchez; Peter Hyson; Anthony John Jeffries; Roger Kenneth Millard; Henri Antoine Pfeffer; Stephen Ellacott Ricketts; Mortza Sadoughi Nejad; Andrew Frederick Dalton Scott; Jose Francisco da Rosa Taborda. [9]

FACULTY OF ENGINEERING

Postgraduate Diploma in Chemical Engineering: Geoffrey Anthony Bennett; Dayaratna Chandrasekera; Gabriel Michel Antoine Chevalier; Edward John Langford; Andrew Ronald Parrish; Roger Pickett; Hui-Boon Tan. [7]

Postgraduate Diploma in Microwave Engineering: Zaid Mohammed Abdul Hadi; Colin Douglas Corbey; Konrad Flueckiger; Charles Gill; Adrian Charles Sheridan Annesley Hamilton; Seid Hossein Izadpanah; Desmond Samuel Loftus; Martin Mathias McDermott; Ong Chow Penge. [9]

Postgraduate Diploma in Photogrammetry: Debabrata Biswas; Ahmed Fouad El-Sayed Mansour El-Sheikh; Kandiah Jeyapalan; Samuel Olufela Joda; Otasowie Evbayowieru Osaikhuwomwan. [5]

Postgraduate Diploma in Surveying: Ganiyu Adebayo Muili. [1]

APPENDIX XIII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Agricultural Research Council

A grant of £1,503 for eight months from 1 February 1967 for research in the Department of Chemistry on mode of binding and function of the metal ion in metalloproteins containing paramagnetic transition metal ions.

American Chemical Society

A grant of $890 for one year from 1 October 1966 for expenses of a member of staff of the Department of Chemistry.

Anonymous

(1) A grant of £15,000 per annum for three years towards the rent of the floor to be occupied by the Department of Chemistry in the Richard Thomas and Baldwin Building.

(2) A grant of £5 to increase the Cowley Prize in Librarianship for 1966.

Babcock and Wilcox Limited

A grant of £750 for the Department of Chemistry towards the improvement of the Pegasus Computer Installation.

The British Academy

Grants of £3,800 for one year from 1 May 1966 and £3,560 for one year from 1 May 1967 for work in the Department of Greek on unpublished Oxyrhynchus Papyri.

British Empire Cancer Campaign

A grant of £624 for one year from 1 October 1966 for research in the Department of Anatomy and Embryology on nucleic acids in embryonic cells.

British Heart Foundation

A grant of £10,800 for three years for research in the Department of Biophysics on cardiac contraction and calcium fluxes in heart tissues.

British Petroleum Company Limited

A grant of £200 for the year 1966–67 for a field work grant for the Department of Geology.

British Transport Commission

A grant of £300 for six months from 1 March 1967 for investigation in the Department of Mechanical Engineering into the oscillation of rolling stock.

'Building'

A grant of £500 for three months from 1 May 1967 for the preparation in the Bartlett School of Architecture of a digest of construction statistics.

Camden Borough Council

(1) A grant of £7,000 for ten months from 1 January 1967 for the Department of Political Economy for a housing rents study and economic survey.

(2) Grants of £2,000 and £2,400 for a preliminary study by the Centre for Urban Studies of housing and rents problems in the Borough of Camden.

Central Research Fund

A grant of £1,495 for the purchase by the Department of Botany of a particle counter with accessories.

Civil Engineering Research Association

(1) A grant of £12,300 for the period 19 July 1966 to 1 January 1970 for non-destructive testing of concrete structural elements in the Department of Civil and Municipal Engineering.

(2) A grant of £6,235 for two years from 1 October 1966 for research in the Department of Civil and Municipal Engineering on sediment transport and scour.

(3) A grant of £20,000 for three years for investigation in the Department of Civil and Municipal Engineering of factors affecting the speed of road travel.

Cold Rolled Sections Association

A grant of £1,250 for one year from 1 October 1966 for research in the Department of Civil and Municipal Engineering on cold rolled sections.

Danish Government

A grant of £100 for the year 1966–67 being the contribution towards providing the allowance payable to a visiting professor of Scandinavian Studies.

Department of Education and Science

(1) A grant of £5,000 for the session 1967–68 for a special advanced course for teachers/librarians in the School of Librarianship and Archives.

(2) A grant of £12,000 for two years for research in the Department of Phonetics on methods of increasing the effectiveness of language laboratory techniques.

Dunn and Wilson Group of Companies

A grant of £25 per annum for the years 1966–71 for the School of Librarianship and Archives for a 'Dunn and Wilson Award'.

Dr R. F. Goldstein

A bequest to the College of £5.

Calouste Gulbenkian Foundation

A grant of £250 to enable a member of staff of the Department of History to attend an international colloquium in New York.

Home Office

Grants of £1,586 and £1,399 for one year from 1 April 1966 and a further grant of £1,135 for eighteen months from 1 April 1967 for research in the Department of Psychology on recidivism of young offenders.

I.B.M.

A grant of £735 for one year from 1 August 1966 for a fellowship for a member of staff in the Department of Physics.

I.C.I. Fibres Limited

A grant of £1,022 for a studentship in the Department of Chemistry.

Imperial Chemical Industries Limited

A grant of £2,000 for equipment for the Department of Chemistry accommodation in R.T.B. House.

Leverhulme Trust

(1) Grants of £4,541 for 1967–68 and £4,716 for 1968–69 for the salaries of staff in the Department of Spanish.

(2) A grant of £7,400 with extension of date to 31 December 1969 for research in the Bartlett School of Architecture into the education of architects.

Medical Research Council

(1) A grant of £350 for six months from 1 April 1966 for research in the Department of Phonetics on development of the English phonological system in young children.

(2) Grants of £14,139 for three years from 1 July 1966 and £3,725 for three years from 1 October 1967 for research in the Department of Chemistry on the structure of molecules active in cholinergic systems.

(3) A grant of £14,100 for three years from 1 July 1966 for investigation in the Department of Biophysics of the subcellular localisation of acetylcholine in cholinergic nerve terminals.

(4) An additional grant of £1,160 for one year from 1 September 1966 for research in the Department of Physiology on the nature of mechanical linkages in connective tissues.

(5) A grant of £641 for ten months from 3 September 1966 for investigation in the Department of Physiology of long-term changes in the properties of the cerebral cortex in man and the experimental animal.

(6) A grant of £1,050 for one year from 13 September 1966 for research in the Department of Physiology on histological identification of alpha and gamma motor neurones.

(7) A grant of £8,281 for three years from 1 October 1966 for a comparison in the Department of Pharmacology of the biochemical and morphological changes occurring in isolated cells during anaphylaxis.

(8) A grant of £3,500 for five years from 1 October 1966 for research in the Department of Pharmacology into the action of psychotropic drugs.

(9) A grant of £2,993 15*s*. for the period 1 October 1966 to 31 December 1967 for the study in the Department of Physiology of the cerebral electrical activity in convulsive states and around epileptogenic lesions of cerebral cortex.

(10) A grant of £1,200 for two years from 1 October 1966 for research in the Department of Zoology and Comparative Anatomy on the biology of ageing.

(11) A grant of £793 for three months from 1 October 1966 and a further grant of £793 for three months from 1 January 1967 for x-ray studies in the Department of Chemistry of endemic bladder stones.

(12) Grants of £300 for three months from 1 October 1966 and £941 5*s*. for nine months from 1 January 1967 for studies in the Department of Biochemistry of amidase production by mutant strains of Pseudomonas aeruginosa.

(13) A grant of £157 10*s*. for October 1966 for research in the Department of Physiology on the role of the reticular system in the control of the transmission of sensory information in the brain and the relation of this to convulsive states.

(14) A grant of £640 for the period 28 November 1966 to 31 July 1967 for studies in the Department of Physiology of the properties of isolated muscle during contraction and relaxation.

(15) A grant of £666 13*s.* 4*d.* for eight months from 1 December 1966 for an investigation in the Department of Chemistry of enzymic transamination.

(16) A grant of £6,787 for the period 1 January 1967 to 30 September 1968 for crystallographic studies in the Department of Chemistry of urinary calculi.

(17) A grant of £4,860 for four years from 1 January 1967 for a project in the Department of Anatomy and Embryology for developing a quantative method for detecting the presence of aggressive factors in lymphocytes and serum in experimental immune conditions.

(18) A grant of £4,425 for two years from 1 January 1967 for investigation in the Department of Botany on biogenesis of mitochondria.

(19) Grants of £4,146 15*s.* and £219 10*s.* for eighteen months from 1 January 1967 for preliminary investigations in the Department of Pharmacology into the mechanism of passive sensitization in the guinea pig and into the mechanism of drug hypersensitivity in man.

(20) A grant of £1,165 for one year from 1 January 1967 for investigation in the Department of Chemistry of molecular size and shape of muscle proteins in dilute solution.

(21) Grants of £6,042 10*s.* and £509 for research in the Department of Physiology on the nature, and some chemical properties of excitatory and inhibitory synaptic mechanisms in neurones of the vertebrate central nervous system.

(22) A grant of £2,000 for research in the Department of Zoology and Comparative Anatomy into absorption of protein into tissue.

(23) A grant of £1,975 19*s.* for research in the Department of Biochemistry on mechanism of action of pyruvate: ATP phosphoryl transferase.

(24) A grant of £864 with extension of date to 30 September 1967 for research in the Department of Pharmacology of histidine decarboxylase in sensitised lymph node cells.

(25) A grant of £620 16*s.* 8*d.* with extension of date to 31 December 1966 for scientific assistance in the Department of Anatomy and Embryology in a study of synaptic structure in the autonomic nervous system.

Ministry of Aviation

(1) A grant of £1,042 for one year from 1 August 1966 for investigation in the Department of Mechanical Engineering of a new method of solving aeroelastic problems.

(2) A grant of £1,056 for seven months from 1 September 1966 for investigation in the Department of Electrical Engineering of the subject of correlation of speech wave forms under certain conditions.

(3) Grants of £3,451 and £150 for one year from 1 October 1966 for research in the Department of Mechanical Engineering on cumulative fatigue damage.

(4) A grant of £2,891 for one year from 1 October 1966 for research in the Department of Mechanical Engineering on the performance of flame traps under given conditions.

(5) A grant of £2,115 for one year from 1 October 1966 for experimental comparison in the Department of Chemistry of bond strengths of various inorganic links of interest in the high temperature polymer field.

(6) A grant of £1,511 for one year from 1 October 1966 for basic studies in the Department of Electrical Engineering of problems in radome performance.

(7) A grant of £1,080 for one year from 1 October 1966 for research in the Department of Electrical Engineering on optimization of partially filled array aerials.

(8) A grant of £1,061 for one year from 1 October 1966 for research in the Department of Mechanical Engineering on packaging dynamics.

(9) A grant of £4,315 for one year from 1 December 1966 for research in the Department of Electrical Engineering on acoustic surface wave techniques.

(10) Grants of £1,790 and £858 for one year from 1 December 1966 for a study in the Department of Mechanical Engineering of fatigue behaviour of close packed hexagonal metals and prediction of fatigue behaviour in non-magnetic metals.

(11) A grant of £670 for one year from 1 December 1966 for investigation in the Department of Electrical Engineering of VHF radio propagation.

(12) A grant of £2,550 with extension of date to 30 November 1967 for research in the Department of Electrical Engineering on solar induced interference at microwave frequencies.

(13) An additional grant of £100 for research in the Department of Mechanical Engineering on packaging dynamics.

Ministry of Defence

(1) A grant of £3,098 2*s*. 6*d*. for one year from 1 January 1966 and a further grant of £1,875 15*s*. for nine months from 1 January 1967 for atmospheric density measurements in the Department of Physics above 1,000 Km. by observations of satellite drag.

(2) Grants of £1,746 for one year from 1 April 1966 and £1,733 from 1 April 1967 for investigation in the Department of Civil and Municipal Engineering on lightweight shelters.

(3) A grant of £16,712 for three years from 1 October 1966 for a study in the Department of Electrical Engineering of semiconductor microwave transit-time devices.

(4) A grant of £2,961 for one year from 1 October 1966 for theoretical and experimental study in the Department of Electrical Engineering of correlation techniques for time delay measurement.

Ministry of Defence (Army)

A grant of £380 for one year from 1 January 1967 for research in the Department of Civil and Municipal Engineering on inflated structures.

Ministry of Health

(1) A grant of £250 with extension of date to 31 December 1966 for investigation in the Bartlett School of Architecture of a study of factors affecting the length of a stay in hospital.

(2) A grant of £1,386 with extension of date to 31 December 1967 for a pilot study in the Bartlett School of Architecture on the subjective evaluation of external noise in the vicinity of hospital buildings.

Ministry of Labour

(1) An additional grant of £75 for one year from 11 February 1966 for investigation in the Department of Psychology on conversion training in the British Railways: the synthetic trainer.

(2) A grant of £2,372 for one year from 1 September 1966 for research in the Department of Psychology on methods of selecting adult workers for training or re-training.

(3) A grant of £3,765 for fifteen months from 1 January 1967 for research in the Department of Psychology into adult training: the problems of selection and labour turnover.

Ministry of Overseas Development

A grant of £3,355 for one year from 1 September 1966 for study in the Department of Political Economy of supply functions for certain tropical products.

Ministry of Public Building and Works

(1) A grant of £2,800 for eight months from 1 October 1966 for a study in the Bartlett School of Architecture of statistics for the construction industry.

(2) A grant of £4,304 for one year from 1 January 1967 for study in the Department of Political Economy of trends in building prices.

(3) A grant of £3,000 for nine months from 1 January 1967 for a pilot study in the Bartlett School of Architecture of the building timetable.

Ministry of Technology

(1) A grant of £44 for one year from 1 October 1965 for research in the Department of Chemistry on high pressure X-ray and neutron diffraction.

(2) A grant of £2,189 for one year from 1 October 1966 for fibre-matrix stress studies in reinforced polymers in the Department of Civil and Municipal Engineering.

(3) A grant of £584 for six months from 1 January 1967 for investigation in the Department of Electrical Engineering of microwave aerials in plasma.

(4) A grant of £230 for eight months from 1 January 1967 for theoretical study in the Department of Chemistry of bond strengths of various inorganic links of interest in the temperature polymer field.

(5) A grant of £213 for three months from 1 April 1967 for research in the Department of Electrical Engineering on correlation of speech wave forms.

(6) A grant of £2,575 for one year from 1 May 1967 for investigation in the Department of Mechanical Engineering on heat transfer ignition and quenching phenomena in narrow passages.

Ministry of Transport

A grant of £900 with extension of date to 30 November 1966 and a further grant of £300 for two months from 1 December 1966 for a study in the Bartlett School of Architecture into the foreseeable requirements for Service Areas, their layout and design on British Motorways up to 1980.

Muscular Dystrophy Associations of America Inc.

A grant of $9,150 for one year from 1 July 1967 for research in the Department of Biophysics on ionic interactions in metabolic control.

Muscular Dystrophy Association of Canada

A grant of $500 for one year from 1 September 1966 for fellowship expenses of a member of staff of the Department of Human Genetics and Biometry.

Muscular Dystrophy Group of Great Britain

A grant of £2,800 for one year from 1 October 1966 for a Leverhulme Training Fellowship in the Department of Biochemistry.

National Fund for Research into Poliomyelitis and Other Crippling Diseases

A grant of £4,300 for two years from 1 January 1967 for study in the Department of Biochemistry of vitamin deficiency in demyelinating diseases.

National Institutes of Health, U.S.A.

(1) A grant of $500 for one year from 3 July 1966 for fellowship expenses in the Department of Chemistry.

(2) A grant of $500 for one year from 1 September 1966 for fellowship expenses of a member of staff of the Department of Physiology.

(3) A grant of $500 for one year from 1 September 1966 for fellowship expenses of a member of staff of the Department of Biochemistry.

(4) A grant of $500 for one year from 11 January 1967 for fellowship expenses of a member of staff of the Department of Anatomy and Embryology.

(5) A grant of $28,422 for one year from 1 March 1967 for research in the Departments of Pharmacology, and Psychology at Birkbeck College, on the psychopharmacology of learning, perception and skill.

(6) A grant of $7,946 for one year from 1 April 1967 for the Department of Biochemistry for research on computer simulation of metabolic control.

National Institutes of Health Supply

A grant of $200 for one year from 1 July 1966 for research in the Department of Physiology on the mechanism of coupling between excitation and contraction.

National Institute for Research in Nuclear Science

A grant of £7,067 for one year from 1 October 1965 for construction in the Department of Physics of a heavy liquid bubble chamber.

National Science Foundation

(1) A grant of $125 for three months from 1 October 1966 for fellowship expenses of a member of staff in the Department of History and Philosophy of Science.

(2) A grant of $500 for one year from 10 October 1966 for fellowship expenses of a member of staff in the Department of Chemistry.

(3) A grant of $500 for one year from 21 October 1966 for fellowship expenses of a member of staff in the Department of Chemistry.

(4) A grant of $200 for one year from 4 November 1966 for fellowship expenses of a member of staff in the Department of Chemistry.

(5) A grant of $1,456 for six months from 1 April 1967 for a research award to two members of staff in the Department of Zoology and Comparative Anatomy.

The Natural Environment Research Council

(1) A grant of £3,000 for three years from 1 August 1966 for investigation in the Department of Geology on hydrogeology of the River Itchen Catchment.

(2) A grant of £2,984 for four years from 1 April 1967 for palaeomagnetic and mineralogical studies in the Department of Geology.

(3) A grant of £1,874 for two years from 1 April 1967 for study in the Department of Botany of Devonian spores from southern Britain.

(4) A grant of £9,540 for three years from 1 July 1967 for studies in the Department of Chemistry of mineral inclusions in diamond.

(5) A supplementary grant of £13,029 for the period 1 August 1967 to 30 September 1969 for the Department of Astronomy for photogeological evaluation of lunar orbiter photos and associated experimental work.

(6) A grant of £60 with extension of date to 31 May 1967 for an assessment in the Department of Botany of the contribution of coppice to woodland production.

(7) A grant of £5,254 with extension of date to 31 July 1970 for the Department of Geology for electron probe analysis of micro volumes of various substances.

North Atlantic Treaty Organisation

A grant of $2,500 for one year from 1 January 1967 for research in the Department of Chemistry on ionisation of organic substrates in the gas phase and in solution.

Norwegian Government

A grant of £100 for 1966–67 for the Department of Scandinavian Studies being the contribution towards providing the allowance payable to a visiting Professor of Scandinavian Studies.

Nuffield Foundation

A grant of £6,700 for three years from 1 February 1967 for field studies by the Department of Geography on soil erosion phenomena.

Post Office Contracts Department

A grant of £60,000 for three years from 7 July 1966 for investigation in the Department of Electrical Engineering of circular wave guide systems for millimetre wavelengths.

Public Works and Municipal Services Congress and Exhibition Council

(1) A grant of £1,000 for the Department of Civil and Municipal Engineering for research in traffic studies.

(2) A grant of £750 towards the setting up of a Chair of Traffic Studies in the Department of Civil and Municipal Engineering.

T. F. Reddaway

(1) The gift of 530 American Trust 5*s.* ordinary shares (value £977 3*s.* 9*d.*) to establish an annual dinner for staff of the Department of History.

(2) The gift of 470 Shell 5*s.* ordinary shares, 3,445 Foreign and Colonial Investment Trust 5*s.* ordinary shares, £2,200 Hawnes School 6 per cent loan stock, to be added to the College endowments, to finance out of income some of the many lesser needs of a College which will always have needs and which will always be frustrated if wholly tied to public finances.

Royal Institute of British Architects

Grants of £1,200 for one year from 1 August 1966 and £800 for one year from 1 August 1967 for research in the Bartlett School of Architecture in programmed learning and teaching machines.

Royal National Institute for the Blind

A grant of £200 for one year from 1 November 1966 for research in the Department of Biochemistry on retinitis pigmentosa in rats.

The Royal Society

(1) A grant of £3,415 for one year from 1 October 1966 for the renewal of a tropical research fellowship in the Department of Zoology and Comparative Anatomy.

(2) A grant of £1,050 for the Department of Anthropology for genetical, medical and ecological studies on the Hadza of Tanzania.

R. J. Sainsbury Charitable Fund

A grant of £2,500 for the Department of Fine Arts for the benefit of young sculptors.

Schools Council

A grant of £94,000 for three years from 1 April 1967 for research in the Department of General Linguistics on linguistics and English teaching.

Science Research Council

(1) An additional grant of £1,037 for the period 1 October 1961 to 31 July 1967 for investigation in the Department of Electrical Engineering of microwave transmissions by waveguide over large distances.

(2) An additional grant of £1,250 for the period 1 January 1963 to 31 July 1967 for an investigation in the Department of Physics involving measuring and data reduction concerned with bubble chamber photographs.

(3) A supplementary grant of £5,565 for three years from 1 July 1964 and a grant of £8,100 for one year from 1 July 1966 for research in the Department of Anatomy and Embryology on the nervous system and learning in octopus.

(4) A grant of £3,696 for the period 1 June 1965 to 31 March 1966 and a further grant of £1,000 for one year from 1 October 1966 for the Department of Physics for the purchase of computer time for film analysis programmes.

(5) A supplementary grant of £2,500 for the period 1 October 1965 to 31 July 1967 for investigation in the Department of Physics into pattern recognition matrices.

(6) An additional grant of £200 for one year and five months from 1 March 1966 and a further grant of £123 for one year and four months from 1 April 1966 for investigations in the Department of Anatomy and Embryology on electron microscopy of synaptic connections in the central nervous system.

(7) A supplementary grant of £174 for one year and four months from 1 April 1966 for research in the Department of Phonetics on time cues in the generation and reception of speech.

(8) A grant of £3,800 for the period 1 June 1966 to 30 November 1969 for the Department of Physics for energy level studies by electron spectroscopy.

(9) A grant of £3,615 for three years from 19 June 1966 for study in the Department of Biochemistry of protein synthesis in mitochondria, with particular reference to the problem of the mechanism of replication of the mitochondrion in the living cell.

(10) A grant of £30,500 for three years from 1 July 1966 for investigations in the Department of Anatomy and Embryology on the memory system of octopus.

(11) A grant of £3,649 for two years from 1 July 1966 for investigations in the Department of Anthropology on the social structures of southern Somali tribes.

(12) A grant of £1,400 for three years from 1 July 1966 for investigations in the Department of Zoology and Comparative Anatomy on the physiology of insect parasitism.

(13) A grant of £14,025 for one year from 1 August 1966 for the Department of Chemistry for (1) University of London Intercollegiate Research Service for Chemistry and Related Sciences; (2) Isotopic abundances measured by the Atlas M 86 mass spectrometer.

(14) A grant of £4,208 for one year from 1 August 1966 for investigations in the Department of Anatomy and Embryology on transmitter substances in octopus vulgaris.

(15) A grant of £2,100 for one year from 1 August 1966 for investigation in the Department of Chemistry on the biosynthesis of terpenes in higher plants.

(16) A grant of £3,603 for one year from 1 September 1966 for investigations in the Department of Biochemistry on fractionations employing a zonal ultracentrifuge.

(17) A grant of £15,515 for three years from 1 October 1966 for analysis in the Department of Civil and Municipal Engineering of details of road accidents and of vehicle collisions.

(18) A grant of £13,717 for four years from 1 October 1966 for investigations in the Department of Chemistry on applications of stereospecific ligands to problems of structure and mechanism.

(19) A grant of £3,414 for two years from 1 October 1966 for nuclear quadruple resonance research in the Department of Chemistry on problems of bonding in transition metal complexes.

(20) Grants of £1,375 for one year and £300 for three years from 1 October 1966 and a supplementary grant of £2,378 with extension of date to 30 September 1969 for investigation in the Department of Biochemistry of metabolic significance of carbohydrates in crustacea.

(21) A supplementary grant of £380 for three years from 1 October 1966 for the Department of Chemical Engineering for the production and development of insoluble enzymes.

(22) A grant of £4,650 for two years from 23 November 1966 for brain studies in the Department of Anatomy and Embryology of octopus species.

(23) A grant of £8,000 for one year from 1 December 1966 for infra-red studies in the Department of Physics.

(24) A grant of £1,000 for nine months from 1 December 1966 for the Department of Physics for a U.K./Pakistan collaborative space programme.

(25) A grant of £5,400 for the period 1 January 1967 to 30 September 1969 for the Department of Physics for flowing afterglow studies of ion-molecule reactions.

(26) A supplementary grant of £3,682 for nine months from 1 January 1967 for construction in the Department of Chemistry of new grating spectograph.

(27) A grant of £1,421 for one year from 1 January 1967 for study in the Bartlett School of Architecture of personal space needs in building.

(28) A grant of £4,491 for one year from 1 February 1967 for research in the Department of Biochemistry on bacterial enzyme regulation in continuous culture.

(29) A grant of £3,034 for two years from 1 February 1967 for research in the Department of Chemistry on heterolysis in the gas phase.

(30) A grant of £16,850 for one year from 1 March 1967 for research in the Department of Anatomy and Embryology on soft biological tissues.

(31) A grant of £1,580 for one year from 1 April 1967 for research in the Department of Civil and Municipal Engineering on erosion within soils.

(32) A grant of £1,240 for one year from 1 April 1967 for the Department of Astronomy for equipment for visual observers of satellites.

(33) A grant of £7,675 for two years from 1 May 1967 for research in the Department of Civil and Municipal Engineering on elastic buckling of shallow spherical shells.

(34) A grant of £2,018 for one year from 1 June 1967 for an investigation in the Bartlett School of Architecture of the subjective effects of artificial reverberation.

(35) A grant of £50 for six months from 1 July 1967 for neutron diffraction studies in the Department of Chemistry on single crystals of platinum compounds.

(36) A grant of £13,970 for three years from 1 August 1967 for a photometric study in the Bartlett School of Architecture of daylight in buildings under tropical and sub-tropical conditions.

(37) A grant of £2,156 for the period from 1 August 1967 to 30 September 1968 for analysis in the Department of Physics of Π-p spark chamber photographs.

(38) A grant of £10,410 for three years from 1 October 1967 for theoretical study in the Department of Physics of elementary particle interactions.

(39) A grant of £6,331 for two years from 1 October 1967 for research in the Department of Chemistry on the synthesis of large-ring conjugated systems.

(40) A grant of £3,166 for two years from 1 October 1967 for research in the Department of Chemistry on inductive and field effects in aromatic substitutions.

(41) A grant of £2,670 for three years from 1 October 1967 for research in the Department of Physics on variational techniques in electron scattering.

(42) A grant of £1,880 for one year from 1 October 1967 for study in the Department of Mathematics on the theory and application of analytic sets.

(43) A grant of £1,426 for one year from 1 October 1967 for a $\overline{K}$ heavy liquid bubble chamber experiment in the Department of Physics.

(44) A supplementary grant of £8,447 with extension of date to 31 July 1969 for physico-chemical investigations in the Department of Biochemistry on the mechanism of enzyme action.

(45) A supplementary grant of £7,199 with extension of date to 31 December 1967 for research in the Department of Chemical Engineering on biochemical fuel cells.

(46) An additional grant of £4,557 with extension of date to 31 December 1968 for investigations in the Department of Mathematics on quantum electrodynamics.

(47) A supplementary grant of £1,260 with extension of date to 31 March 1968 for research in the Department of Physics on the kinetics of excitation reactions in electrical discharge.

(48) A grant of £1,000 with extension of date to 28 February 1967 for investigation in the Department of Physics into design and cost study of a precisely stabilised platform for balloon-borne experiments.

(49) A grant of £50 with extension of date to 30 September 1969 for research in the Department of Chemistry on microwave spectra of molecules in excited vibrational states.

Shell International Research

An unrestricted grant of £2,250 for three years from 1 October 1967 for the Department of Chemistry.

Smith, Kline and French Fund

A grant of £2,500 for two years for research in the Department of Pharmacology on the effects of amphetamine-barbiturate mixtures, and A.C.T.H. on behavioural responses to rewards and omission of reward.

Social Science Research Council

(1) A grant of £9,075 for three years from 1 April 1967 for research in the Department of Civil and Municipal Engineering on the costs arising from the provision and use of roads.

(2) A grant of £10,000 for one year from 1 June 1967 for study by the Centre for Analysis of Conflict of international and intercommunal conflict by case-study methods.

(3) A grant of £2,391 for one year from 1 July 1967 for research in the Bartlett School of Architecture on levels of rationality in car ownership and use.

Span Kent Limited

A grant of £4,000 for one year from 1 January 1967 for surveys in the Bartlett School of Architecture relating to the social development of the village of New Ash Green with particular reference to the evolution of the village as a community.

Standard Telecommunication Laboratories Limited

A grant of £500 for six months from 1 October 1966 for study in the Department of Electrical Engineering of piezo electric phenomena in semiconductors.

United Kingdom Atomic Energy Authority

An additional grant of £7,700 with extension of date to 31 August 1968 for research in the Department of Physics on atomic collision cross sections.

United States Air Force

(1) Grants of $17,000 for one year from 1 June 1966 and $15,000 for one year from 1 June 1967 for research in the Department of Anatomy and Embryology on the anatomical localisation of target learning and memory.

(2) A grant of $50,000 for one year from 1 May 1967 for research in the Department of Physics on ion mass spectrometry of the lower ionosphere.

United States Army

A grant of £2,216 for one year from 1 March 1967 for theoretical and experimental investigation by the Department of Electrical Engineering of a method for modulation of a beam of light at megacycle order frequencies.

United States Department of Health, Education and Welfare—Public Health Service

(1) A grant of $500 for one year from 26 August 1966 for fellowship expenses of a member of staff of the Department of Chemistry.

(2) A grant of $550 for one year from 1 October 1966 for research in the Department of Biophysics on physical factors in cation transfer by red cells.

Wellcome Trust

(1) An additional grant of £90 for two years from 1 April 1965 for a research fellowship for a member of staff of the Department of Egyptology.

(2) An additional grant of £462 for the period 1 March 1966 to 30 September 1967 for research in the Department of Chemical Engineering on tissue culture of mammalian cells.

(3) A grant of £7,500 per annum for six years from 1 October 1966 to meet the cost of the Sub-Department of the History of Medicine in the Department of Anatomy and Embryology.

(4) A grant of £6,900 for three years from 1 October 1966 and a supplementary grant of £1,540 for two years and nine months from 1 January 1967 for a study in the Department of Pharmacology of hypersensitivity reactions to drugs.

(5) A grant of £200 for four months from 19 January 1967 for research in the Department of Physiology on the physiology of muscle fibres.

The Williamson Manufacturing Company Limited

A gift to the Department of Photogrammetry and Surveying of normal angle multiplexes equipment.

World Health Organisation

A grant of $4,100 for one year from 1 December 1966 for research in the Department of Anthropology on population genetics of the Hadza of Tanzania.

BENEFACTIONS AND DONATIONS TO THE LIBRARY

British Phrenological Society

The gift of the Society's Library of some 600 volumes.

Mrs P. Greer

A gift of letters and notebooks by G. B. Greenough (1778–1855), a Proprietor of the College, and the first President of the Geological Society of London.

Mrs Eveline Offor

A bequest of £250 for the purchase of books and manuscripts for the College Library by Mrs Eveline Offor, the widow of Dr Richard Offor, who had been a member of the Library staff from 1900 to 1919.

Mrs Dorothy Plowman

A gift to the College Library of the papers and correspondence of her late husband, Max Plowman.

Mrs Helen Smith

A gift of books selected by the Librarian from the Library of her late husband, Professor A. H. Smith, Chairman of the Library Committee from 1951 to 1967.

R. C. Yablon

The loan to the Department of Hebrew for twenty-five years of the Library of the former Chief Rabbi, Dr Israel Brodie, consisting of 7,000 volumes mainly in Hebrew, English and French, which Mr R. C. Yablon had purchased, and an annual grant to the College of £500 for the purchase of books.

APPENDIX XIV

COLLEGE ACCOUNTS 1966–67

The Balance Sheet and the Income and Expenditure Account for the year will be found on pages 120–23

BALANCE SHEET

LIABILITIES

The Capital Account increased by £632,852, which is mainly attributable to receipts from donors and capital grants towards the acquisition of property, together with the valuation, upon occupation, of the National Central Library and Chaucer House.

ASSETS

Freehold Land and Buildings increased by £555,746, which is represented by the National Central Library and Chaucer House and a number of small purchases.

TRUST FUNDS

The College holds endowments in the form of 193 separate trust funds with a total value of £1,274,631. The funds yield a total annual income of £82,000.

INCOME AND EXPENDITURE

The expenditure for the year exceeded the income by £4,048, as compared with £5,507 for the previous year.

Income exceeded that for 1965–66 by £551,457, of which £317,166 represented increased grants from the Court of the University. Fees increased by £12,456, due to the increase in the number of students.

Expenditure was £561,294 more than that in 1965–66. Of this sum £358,331 was spent on academic activities: this included a number of new academic posts and reflected, for a full year, the increase in salaries which was operative from 1 April 1966. An increase of £42,269 in the cost of Technical Staff arose from similar causes. Maintenance of Premises required an extra £47,538 following the occupation of more accommodation.

Income and expenditure under the main classifications in 1966–67, as compared with 1965–66 and with the corresponding year of the previous quinquennium, are shown in the following table.

EXPENDITURE	1961–62 £	1961–62 %	1965–66 £	1965–66 %	1966–67 £	1966–67 %
Salaries and Pensions of Teaching Staff..	942,565	37·7	1,761,552	38·4	1,963,036	38·2
Departmental Expenses, including Library	573,745	23·0	1,059,007	23·1	1,157,029	22·5
Research Grants ..	408,224	16·3	757,530	16·5	823,119	16·0
Maintenance of Premises	343,912	13·8	616,511	13·4	653,358	12·7
Administration ..	159,211	6·4	261,069	5·7	294,648	5·8
Selective Employment Tax	—	—	—	—	108,940	2·1
Other	70,967	2·8	131,186	2·9	136,723	2·7
	£2,498,624	100·0	£4,586,855	100·0	£5,136,853	100·0
INCOME						
Endowments ..	55,047	2·2	62,198	1·4	71,086	1·4
Grants	1,803,579	72·1	3,330,661	72·7	3,647,827	71·1
Donations	22,696	0·9	52,354	1·1	78,522	1·5
Fees	186,881	7·5	268,316	5·9	280,772	5·5
Grants for Research	408,224	16·3	757,530	16·5	823,119	16·0
Research Training Support Grants ..	—	—	36,849	0·8	39,690	0·8
Selective Employment Tax	—	—	—	—	108,940	2·1
Other	24,279	1·0	73,440	1·6	82,849	1·6
	£2,500,706	100·0	£4,581,348	100·0	£5,132,805	100·0

EXTRA-BUDGETARY ACTIVITIES

The College administers the finances of many research projects supported from outside sources. 361 were being pursued actively at 31 July 1967. Receipts of research grants were £782,509 compared with £657,200 in 1965-66, and payments rose from £757,530 in 1965–66 to £823,119 in 1966–67.

CAPITAL GRANTS

Capital grants made during the year 1966–67 were as follows:	£
Physics Extension:	
Scientific equipment	298,026
Data Preparation equipment	4,330
Furniture and equipment	14,322

New Chemistry Building, Stage I:	
Demolitions—Professional fees	1,250
Building work	469,121
Building work (University Development Fund Grant)	600,000
Scientific equipment	69,617
Furniture and equipment	29,111
Purchase of 4–8 Endsleigh Gardens: Professional and legal fees	7,463
Adaptations of 4–8 Endsleigh Gardens for Faculty of Laws:	
Furniture and equipment	16,635
Provision of additional accommodation for increased medical student intake (from 1964–65):	
Building work	60,000
Scientific equipment	67,329
Oxford Street Hall of Residence: Building work	230,000
Purchase of the Hospice, 28 Lyndhurst Road, NW3	27,500
Adaptation of 28 Lyndhurst Road, NW3, to provide student residential accommodation:	
Building work	7,979
Furniture and equipment	10,213
Alterations to the Bartlett School of Architecture:	
Building work	1,814
Scientific equipment	17,432
Furniture and equipment	2,637
Scientific equipment	764
Alterations in Slade School of Art:	
Building work	1,335
Furniture and equipment	256
Alterations in Department of Chemistry:	
Building work	3,577
Furniture and equipment	100
Scientific equipment	243
Alterations in Department of Chemical Engineering: Building Work	800
Conversion of 33–35 Daws Lane for Department of Astronomy:	
Scientific equipment	27,926
Scientific equipment	11,754
Furniture and equipment	754
New Building at 2–10 Euston Buildings for Eugenics, Biometry and Genetics: Scientific equipment	69,741
Ifor Evans Hall of Residence: Building work	30,000
Adaptation of Holmbury House for Physics Department:	
Furniture and equipment	20,653
Furniture and equipment	2,550
Scientific equipment	32,490
Adaptations for Civil Engineering and Geology:	
Furniture and equipment	3,783
Furniture and equipment	4,826
Central Collegiate Building, Stage I: Furniture and equipment	72,857
Alterations in Zoology: Scientific equipment	3,378
Extension of Telephone Exchange:	
Building work	3,800
Professional fees	405

Provision of additional accommodation for Biochemistry:	
Building work	553
Furniture and equipment	761
Purchase of Stanhope Lodge, 48 Stanhope Road, Highgate, to provide student residential accommodation:	
Site Purchase	9,500
Building element	6,000
Biological Sciences Block, Stage V: Scientific equipment	5,638
Engineering Building, Stage IV: Scientific equipment	87,454
Improvements to Engineering Entrance and Staircase:	
Building work	1,138
Professional fees	160
Improvements to Public Health Laboratory:	
Building work	1,346
Professional fees	190
Alterations in Foster Court and Flaxman House for Geology and Town Planning:	
Building work	30,390
Alterations to Chadwick Laboratory: Building work..	657
Extension to Aquarium in Zoology Department: Building work ..	6,891
Conversion of Anatomy Museum: Scientific equipment	99,028
	£2,476,477

SCHOLARSHIPS AND PRIZES

Expenditure amounted to £37,528. Awards were made as under:

	Undergraduate	*Postgraduate*
	£	£
From Endowments	1,993	6,904
„ Donations	547	21,121
„ General Income	4,788	1,530
„ General Income: Exhibition Bursaries and Special Remissions	154	491
	£7,482	£30,046

31-7-66 £		£
10,510,937	CAPITAL ACCOUNT	11,143,789
19,402	REDEMPTION FUNDS	20,846
143,668	LOANS	124,287
10,674,007		11,288,922
728,128	RESERVES AND SUNDRY FUNDS	638,246
371,612	UNEXPENDED BALANCES	382,746
365,905	CURRENT LIABILITIES	659,322
12,139,652		12,969,236
1,072,810	TRUST FUNDS	1,274,631
£13,212,462		£14,243,867

NOTE

The College freehold properties were revalued during 1959 on the basis of current land values and estimated building costs, by the College authorities with professional assistance from Quantity Surveyors. Accordingly these properties are stated at the 1959 valuation with subsequent additions at estimated cost.
No value is included in capital account for furniture and equipment.

We have audited the above balance sheet and the annexed income and expenditure thereon, a true and fair view of the state of affairs of University College London (*b*) money expended during the year out of non-recurrent grants received from the have been properly applied to those purposes.

3 Frederick's Place, Old Jewry, London, E.C.2
22nd November 1967.

31-7-66 £		£
10,730,375	FREEHOLD LAND AND BUILDINGS—see note below	11,286,121
135,015	LEASEHOLD LAND AND BUILDINGS	129,547
10,865,390		11,415,668
133,878	CAPITAL AND OTHER WORKS IN PROGRESS *less* capital grants and other capital receipts	394,927
438,220	INVESTMENTS .. .. (*Market Value of Stock Exchange Securities and other Investments at 31 July 1967, £350,878; 31 July 1966, £448,661*)	341,727
338,785	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS	461,812
363,379	CURRENT ASSETS including prepayments	355,102
£12,139,652		12,969,236
1,072,810	TRUST FUNDS	1,274,631
£13,212,462		£14,243,867

account. In our opinion (*a*) the said accounts give, on the basis indicated in the notes at 31st July 1967, and of the income and expenditure for the year ended on that date: University Court and other funds administered by the College for specific purposes

PRICE WATERHOUSE & CO.
Chartered Accountants

1965–66 £	EXPENDITURE		£	£
	ADMINISTRATION			
183,912	Salaries		218,149	
63,039	Advertising, Printing, Stationery, Postage and Telephone		63,973	
14,118	Other Expenses (including Professional Fees)		12,526	
(261,069)				294,648
	ACADEMIC DEPARTMENTS			
1,740,316	Salaries of Teaching Staff		1,934,430	
470,883	Departmental Wages: Technical Staff		513,152	
104,918	Secretarial Staff		118,547	
320,888	Departmental and Laboratory Maintenance		346,006	
78,122	Libraries: Salaries	84,605		
58,369	General Expenditure	58,663		
			143,268	
757,530	Research Expenditure covered by grants on Research Contracts		823,119	
10,985	Other Expenditure		21,820	
(3,542,011)				3,900,342
	MAINTENANCE OF PREMISES			
148,468	Rates		136,985	
11,821	Insurance		6,176	
	Rent and other payments for use of buildings:			
10,816	Halls of Residence	10,831		
31,388	Other Buildings	61,715		
			72,546	
101,652	Heat, Light, Water and Power		116,224	
233,940	Repairs and Maintenance of Buildings including amounts set aside for long-term maintenance		242,989	
60,257	Wages of Porters and Attendants		68,042	
6,791	Other Expenses		9,709	
(605,133)				652,671
	GENERAL EDUCATIONAL			
2,765	Examinations		2,074	
35,779	Salaries: Wardens of Halls of Residence		37,528	
1,015	Public Lectures		1,362	
4,000	Staff Attendance at Conferences		4,500	
160	Other Items		—	
(43,719)				45,464
	STUDENT FACILITIES AND AMENITIES			
39,000	Grant to Students Union		41,000	
5,637	Salaries: Wardens of Halls of Residence		4,993	
5,999	Student Health Service		6,844	
4,746	Students' Purposes Fund		5,609	
226	Crabb Robinson Fund		218	
294	Ealing Hall Fund		299	
5,285	Central Admissions Scheme		4,672	
—	Miscellaneous		49	
4,542	Careers Office		4,840	
(65,729)				68,524
	MISCELLANEOUS			
21,236	Staff Pensions		28,606	
968	Grants from Benevolent Fund		1,482	
30	Grants from Bawden Fund		178	
654	Interest on Overdrafts, etc.		2,202	
9,963	Sundries		10,947	
	Deficits on Income and Expenditure Account for Halls of Residence, Refectories, etc.			
1,350	Refectory: College Subvention	1,500		
6,773	Trading Loss written off	4,425		
			5,925	
—	Selective Employment Tax		108,940	
(40,974)				158,280
	CAPITAL EXPENDITURE MET FROM INCOME			
2,000	Holmbury House		—	
—	R.T.B. House		2,000	
(2,000)				2,000
	ALLOCATION TO (FROM) RESERVES			
	Revenue Grants:			
50,360	Departmental Maintenance		62,641	
−4,921	Library		−2,966	
13,804	Repairs and Maintenance of Buildings		13,790	
14,990	Petty Works		15,692	
(74,233)				89,157
£4,634,868				£5,211,086
5,507	Excess of Expenditure over Income for the year, after allocations (net) from Reserves of £1,939 (£20,206 (net) to Reserves, 1965–66)			4,048
4,968	Balance, 31 July 1967, carried to Balance Sheet			920
£10,475				£4,968

1965–66 £	INCOME	£	£
	ENDOWMENTS		
62,198	Income of Trust Funds appropriated for purposes specified by Trust against expenditure included opposite		71,086
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
1,613	Special Purposes	14,451	
22,733	Scholarships and Bursaries	21,162	
24,564	Salaries and Superannuation	40,380	
3,444	Departmental and Laboratory Maintenance	2,529	
(52,354)			78,522
	GRANTS FROM UNIVERSITY COURT		
3,077,000	General		3,315,000
	Earmarked:—		
30,079	Academic salary increases 1966 Scheme	98,194	
62,350	Former Research Councils	63,550	
10,105	Medical Education	26,545	
148,252	Rates	136,973	
2,875	Hayter Committee	7,565	
(253,661)			332,827
36,849	RESEARCH COUNCIL TRAINING SUPPORT GRANTS		39,690
	FEES		
266,740	General	279,419	
1,008	Examination and Registration	708	
568	Exhibition Bursaries and Special Remissions	645	
(268,316)			280,772
757,530	GRANTS FOR RESEARCH, including research contracts		823,119
16,469	CONTRIBUTIONS FOR SERVICES RENDERED		18,426
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
13,921	College Properties		16,980
37,036	OTHER ITEMS		30,580
—	SELECTIVE EMPLOYMENT TAX		108,940
	ALLOCATIONS FROM RESERVE:		
	Releases through Reserves:		
1,014	Former Research Councils Grant	7,863	
5,000	Lectureships met from Donations	5,000	
—	Dilapidations	4,000	
	Revenue Grants:		
30,216	Departmental Maintenance	50,360	
381	Library General Expenditure	−4,921	
13,389	Repairs and Maintenance of Buildings	13,804	
4,027	Petty Works	14,990	
			91,096
£4,629,361			£5,207,038

5,507	EXCESS OF EXPENDITURE OVER INCOME FOR THE YEAR, after allocations (net) from Reserves of £1,939 (£20,206) (net) to Reserves in 1965–66)	4,048
£4,634,868		£5,211,086
10,475	Balance as at 1st August 1966	4,968
£10,475		£4,968

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